

# DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on  
Chemicals, Drugs, Colors, and Aromatics

VOLUME XV

NEW YORK, AUGUST 13, 1924

NUMBER 7

## Calco Nitrobenzine and Oil of Myrbane

THE increasing demand for Nitrobenzine and Oil of Myrbane finds Calco in a particularly advantageous position to meet the requirements of the most exacting buyers.

Ever since this Company was founded these two intermediates have formed a most important part of our production, and we have been able

to effect many improvements and refinements that only large scale operations permit.

That our efforts have been successful is evident from the enviable reputation which Calco Oil of Myrbane and Calco Nitrobenzine have won. Don't run the risk of inferior quality that is always present in purchasing unknown products. Insist on Calco.

### THE CALCO CHEMICAL COMPANY

Bound Brook, N. J.

New York  
Boston



Philadelphia  
Chicago

**In This Issue** { *July Dye Imports Smallest of Year*  
*Exports of Chemicals Show Decline*

## Just Coumarin or Coumarin-Monsanto?

(THE ORIGINAL  
AMERICAN COUMARIN)

**Are You Buying Just Coumarin  
or Are You Getting the Best?**

COUMARIN-Monsanto is not an overnight development. As America's original manufacturers of Coumarin, Monsanto—whose experience over the past ten years, coupled with constant research and plant improvement—has developed a product whose delicate aroma and true flavor are unsurpassed!

We make this statement with an intimate knowledge acquired by close examination of products offered by the American and European markets.

Specify COUMARIN-Monsanto, the original American Coumarin, and secure the best.

**Monsanto Chemical Works**  
**St. Louis, U.S.A.**

NEW YORK

CHICAGO

VANILLIN-Monsanto COUMARIN-Monsanto  
METHYL SALICYLATE

# MONSANTO



DOW

# CHEMICALS IN LEATHER

Leather was probably first put to human use shortly after the origin of the race. It rightly ranks as one of the oldest industries.

While the prehistoric tanning of skins for use as wearing apparel is a far cry from the present day leather industry, still, from the very beginning some form of treatment was necessary before the skins could be put to human use. This treatment involved the use of chemicals, as it does to this day.

Epsom Salt  
Technical and U. S. P.  
Sodium Sulphide 60-62%  
Flake and Solid  
Sodium Sulphide 30-33%  
Crystals  
Carbon Tetrachloride  
99.7%

The Savage discovered that smoke, the sour milk of goats, certain oils extracted from vegetable matter, and even the brains of slain animals when rubbed into the skins improved the texture of the leather. Later developments resulted in the use of certain astringent barks and acids to stop the decay of the skins and to give the leather toughness and durability.

The Dow Chemical Company supplies many chemicals essential to the leather industry. In leather manufacture dependability of the chemicals used is vital to the quality of the finished product. Our long continued relations with the industry enables us to render a competent and adequate service to manufacturers of leather products.

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*Branch Sales Offices*

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For accelerators of uniformity, absolute purity, and maximum strength, the rubber manufacturer prefers

## NATIONAL

PARA-NITROSODIMETHYLANILINE  
DIPHENYLGUANIDINE  
TRIPHENYLGUANIDINE  
THIOCARBANILIDE  
ANILINE OIL

These National organic chemicals are manufactured to meet the requirements of the rubber trade.

**National Aniline & Chemical Co., Inc.**

40 RECTOR STREET NEW YORK, N. Y.



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VOLUME XV

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## The Week in Brief

### News

Exports of chemicals for the first six months of this year dropped ten per cent compared with the exports for the same period in 1923.

Chemists will discuss industrial waste at the meeting of the American Chemical Society at Ithaca, in September.

Essential oil exports for the first six months of 1924 show steady gain.

Medicinal preparations made in America are being shipped abroad in increasing quantities.

Duty of 8 per cent ad valorem on commercial sulfuric acid imported into Uruguay has been re-imposed, according to a decree of the General Assembly.

### Markets

Actual improvement in demand for industrial chemicals is hardly noticeable. Sentiment is improving, however, with reports of increasing activity in consuming industries. Competition in chemicals is still keen.

Dyes and intermediates have been showing a slight recovery in demand. Buyers, however, are still conservative and orders are for small quantities. Prices show no variation from previous quotations.

Fatty oils are being influenced by strength in lard, grain and cotton markets. Actual buying is limited. Spot stocks of foreign oils small. All prices advancing. Turpentine and rosins higher.

Fine chemicals have been in active demand during the past week. Several advances were registered, namely, mercury, menthol, cod liver oil, and acetanilid. Bromides are active. Citric and tartaric acids are quiet.

Essential oils are generally quiet with most of the passing business being done between dealers. Shipment prices remain firm. Oils peppermint and cassia are higher.

Crude drugs are in small demand at the moment. Spot prices are tending easier owing to large new crops from primary markets. Insect powder is lower. Cascara sagrada is easy on spot.



# MATHIESON

Liquid Chlorine - Caustic Soda - Soda Ash  
Bleaching Powder - Anhydrous Ammonia  
Modified Virginia Soda - Bicarbonate of Soda

## *Your Local Chemical Distributor*

THE function of the local chemical distributor and his responsibilities both to the consumer and to the manufacturer have lately been the subject of much discussion. Many glaring defects in the present general situation have been pointed out.

By establishing through authorized distributors a direct relationship between producer and consumer, the Mathieson plan of less-than-carload distribution represents an effort in the right direction that merits the support of the small-lot consumer.

We carry our own stocks in the warehouses of our local distributors, assuming direct responsibility for service and quality of product. We publish for our distributors open price schedules which are based on general market conditions and not on local supply and demand.

*Write for one of our price cards and the name of your nearest Mathieson Distributor.*

*The* **MATHIESON ALKALI WORKS Inc.**  
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Deal Direct with



the Manufacturer

# PHENOL U.S.P.

*"Spot" or future shipment*

Stocks carried at  
New York—Chicago—St. Louis

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*Prices on request*

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Medicinal, Analytical, Technical  
and Photographic Chemicals

ST. LOUIS

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MONTREAL

Works at Rahway, N. J.

# DRUG & CHEMICAL MARKETS

VOLUME XV

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## ALCOHOLIC "FORGETFULNESS"

The recent attempt of the Prohibition Unit to make all manufacturers responsible for the conduct of jobbers, and resellers generally, through the threat to withhold alcohol supplies, seems to have struck a snag. Thus far the prohibition authorities have made no apparent effort to enforce the obnoxious and ridiculous "stipulation," which, under penalty of alcohol permit refusal, required alcohol-using manufacturers to dictate terms of conduct to all jobbing houses buying the goods of the manufacturer. In short, if a jobber buying goods containing alcohol from a manufacturer, refused to agree to open his premises at any and all times to search by prohibition officers, the blame would be placed on the manufacturer and his withdrawal permits refused.

Evidently somebody within the Prohibition Unit has seen the folly of the so-called "stipulation" and the powers-that-be are evidently going to "forget" that the ruling was ever made. From all accounts, fanaticism which runs riot on frequent occasions in anti-alcohol quarters in Washington, has had to retire in favor of the cooler heads. The absence of enforcement of the ruling is no surprise, as it was unquestionably illegal and unenforceable. Where, under the Constitution or law, can any Government agency hold an industrial group as hostage to insure full co-operation in law enforcement from some other group?

The recent tax ruling by the Prohibition Unit on alcohol lost or stolen, is only another case in point in the whole industrial alcohol situation. The vicious motives behind the various rulings are only too apparent. The prohibition crowd are out to crush the alcohol business, legitimate and illegitimate, and if they cripple the American chemical and drug industries in so doing,—what does an industry or two amount to in the great fight against alcohol?

## GERMAN PRODUCTS DODGE THE TARIFF

German firms are invading the United States market for pharmaceuticals, evading the tariff which has hitherto protected American manufacturers by shipping their products in bulk. The German preparations are made ready after arrival for distribution to the trade under proper brands and trademarks, and at high prices which are possible because the German firms are taking out patents in this country on the products which they are planning to sell here. Backed financially by the German Government the manufacturers in-

tend to re-establish the monopolies in medicinal preparations which they held before the war.

Quick action is necessary to protect American producers. Under the tariff Act of 1922, when it is shown that the duties fixed in the Act do not equalize the differences in costs of production in the United States and the principal competing country the President is authorized to ascertain the differences and proclaim changes in classification or increases or decreases in any rate of duty necessary to equalize the differences in costs of production. Whenever the existence of any unfair method or act shall be established the President is authorized to determine the rate of additional duty, not exceeding 50 per cent nor less than 10 per cent of the value of the articles.

Another weapon is put into the hands of domestic manufacturers in another section which provides that whenever the President has reason to believe that any article offered or sought to be offered for entry into the United States is in violation of the Tariff Act, but has not sufficient information to satisfy him, the Secretary of the Treasury shall forbid entry of the product until the necessary investigation is completed.

What could be more obviously an attempt to violate the spirit of the law than the importation of pharmaceuticals in bulk and afterwards putting them into containers for sale in competition with American-made products which are guaranteed protection from this competition by the Tariff Act?

The law says further that the President when he finds that the public interest will be served thereby, shall by proclamation, declare new or additional duties. The menace of the German invasion is not imaginary. It is real and already the foreign manufacturers have taken out patents at Washington to protect their products against duplication in the United States and to prevent the sale of similar preparations which may be on the market. The admission of products which will cause the shutting down of American factories and dismissal of American workers should be fought vigorously by manufacturers and by the trade associations which represent their interests.

## ARE YOU OBEYING CORPORATION LAWS?

The wisdom of placing the business of corporations, so far as filing reports with Government and State departments and making tax statements are concerned, in the control of a registrar and transfer corporation is recognized by large interests and the custom is spreading gradually to small companies, whose officials realize the futility of keeping in touch with the numerous U. S. Treasury rulings.

and the multiplicity of state laws. The regulations issued by Government departments and bureaus trusted with the enforcement of the various statutes enacted each year are often extremely unjust to an industry, owing to lack of practical knowledge of business customs, especially in chemical and drug lines.

Every large corporation has its legal force to handle actual suits and draw contracts, but the routine work on income taxes and the transfer of stocks is being absorbed by companies making it their business to see that the officials of business concerns are obeying the corporation laws. Nowadays a citation from the Federal Trade Commission, Department of Agriculture or Treasury Department is as common as a summons for violating the traffic regulations, and few company officials are trained in the routine steps which must be taken to avoid a "cease and desist" order, or fine.

A company may employ a good lawyer and a certified public accountant to prepare its tax returns, but find its officials in hot water when the Federal or State authorities examine the company's books. Sound financial advice is needed, too, when a company issues securities. To transfer stock requires knowledge of the Federal and State laws and only specialists in this work can guarantee that certificates are stamped properly and correct returns made. Income tax puzzles that must be solved every year are enough to drive the average business man insane, but corporations that specialize in the work stand between him and the lunatic asylum, relieve him of worry and protect him against excessive payments or other expensive mistakes.

July car loadings show an increase over the corresponding month, last year, for the first time since March. The average for this year is 10 per cent below 1923. Western roads report large increases in loadings of grain, fruits, vegetables, packing house products, lumber, quarry products, cement and plaster. Farmers will begin buying more liberally as soon as their crops are marketed and retailers in turn will have to refill their shelves, and manufacturers will feel the new demand by September or October. The fertilizer trade already reports better business. An improvement is noted, also, in chemicals for the textile and paper trades.

Peculiar and seemingly contradictory clauses appear in the bill passed by the British House of Commons providing a bill of lading "for the carriage of goods by sea." In order to facilitate international dealing in bills of lading by bankers an irreducible minimum of liability on the part of the carrier for the period of the voyage is provided which no other terms of the bill of lading, or agreement between shipper and carrier, can alter. It cannot be implied, the bill states, that there is any absolute undertaking by the carrier to provide a seaworthy ship. Strange as this may seem, when stated without qualification, the clause was deemed necessary to protect third parties, such as endorsers,

who have no knowledge of the technicalities of sea carriage. The owners of vessels are still required to guarantee their seaworthiness and safety to the British Board of Trade, but not to the individuals whose goods are transported. The bill in effect is similar to The Hague rules adopted in 1921.

Reports from the vanilla growing districts continue bullish, and the prospects for cheaper beans are not encouraging. In line with the present situation, a well-known consumer has suggested something along the following lines:

Yes! We have no vanilla,

We have no vanilla today.

We've butyrates, and valerates, and ethers and esters,

And vanillin, coumarin, and say

We have the old-fashioned lemon

And good grade of almond

But, yes! We have no vanilla,

We have no vanilla today.

The fallacious and deceptive arguments advanced by opponents of the United States tariff in advocating reductions in the rates to help European countries to sell their manufactured products in America will fall upon deaf ears in Washington. One argument is that the United States should open up the American market to aid European countries to get on their feet. With the reparations question settled, the Germans will make strenuous efforts to increase production and will be able to sell in foreign countries at very low prices. American firms will find the competition difficult to meet because of the higher costs here for labor. Why, then, surrender the United States to foreign manufacturers and take the risk of having neither domestic nor foreign markets in which to dispose of American goods?

### *Many Men: Many Minds*

Mrs. J. Heard Cutter, chemist, of Worcester, Mass., who acknowledges that she is 70, is making solvents and cleansers. The "Christian Science Monitor" says: "Perhaps her favorite achievement is getting spots off dresses without cleaning anything but the spots. The rest of the dress doesn't have to be touched for no ring or discolored place is left, that is if the goods have been properly dyed. Goods dyed in America, Mrs. Cutter says, are rinsed only three times, while those dyed in Europe go through seven rinsing waters, removing all the superfluous color and making them fast."

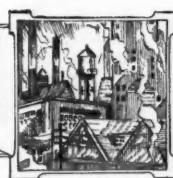
New England sales managers have started a movement to boost New England products. John S. Lawrence, of Boston, a leading manufacturer and banker, told the sales managers he found that Brockton was selling mostly St. Louis-made shoes; no cotton cloth made in Fall River could be bought in that city; great difficulty was experienced in getting any Lawrence-made cloth in Lawrence, the home of the American Woolen Co., and Ipswich hosiery was not obtainable in Ipswich, where the mills are located.





# Industrial Chemical

## SECTION



### July Dye Imports Smallest of the Year

**Amount 140,810 Pounds, Value \$137,075—Gradual Decrease Since March—Fifty-two Per Cent of Imports in July Came From Germany, 32 Per Cent From Switzerland, and the Balance From England, France, Italy, Belgium, Holland and Canada—Imports of Synthetic Aromatic Chemicals, Color Lakes, Medicinals, Photographic Developers—Total Imports of the Year 1924 by Months**

Imports of coal-tar dyes for July through the Port of New York totaled 140,810 pounds, with an invoice value of \$137,075. In addition, 2,870 pounds, with an invoice value of \$2,483, were reported through the Port of Boston. New York imports for the period January to July follow:

Month	Pounds	Value
January	288,743	\$232,571
February	158,874	176,657
March	293,862	302,016
April	174,880	182,253
May	167,245	165,521
June	147,380	151,331
July	140,810	137,075

The five leading dyes by quantity imported in July are: Indanthrene golden orange R, 12,601 pounds; ciba bordeaux B, 12,490 pounds; indanthrene golden orange G, 12,044 pounds; indanthrene red BN, 6,430 pounds; ciba violet B, 5,724 pounds.

The per cent of quantity by country of shipment follows: Germany, 52 per cent; Switzerland, 32 per cent; England, 5 per cent; France, 5 per cent; Italy, 2 per cent; Belgium, 2 per cent; Holland, 1 per cent; Canada, 1 per cent.

The imports of synthetic aromatic chemicals for the January-July period were:

Month	Pounds	Value
January	3,448	\$8,854
February	2,299	5,930
March	4,145	8,182
April	3,228	5,058
May	4,002	15,943
June	4,895	10,500
July	4,537	7,766

#### Key to abbreviations

##### 1. The six leading German Companies

A....Actien-Gesellschaft fur Anilin-Fabrikation.  
B....Badische Anilin- und Soda Fabrik.  
By....Farbenfabriken vorm. Friedr. Beyer & Co.  
C....Leopold Cassella & Co.  
K....Kalle & Co. A. G.  
M....Farbwerke vorm. Meister Lucius & Brunning.

##### 2. The seven smaller German Companies

BK....Leipziger Anilinfabrik Beyer & Kegel.  
GG....Chemikalienwerk Griesheim G.m.b.H.  
CJ....Carl Jager G.m.b.H. Anilinfarbenfabrik.  
GrE....Chemische Fabrik Griesheim-Electron.  
L....Farbwerk Muhlheim vorm. A. Leonhardt & Co.

tM....Chemische Fabriken vorm. Weiler ter Meer.

WD....Wulffing, Dahl & Co., A. G.

##### 3. Dutch, Belgian and French Companies

FA....Farbwerk Amersfoort.  
NF....Niederlandische Farb- und Chemikalienfabrik.  
LG....Lazard Godchaux.  
P....Societe Anonyme des Matieres colorantes et produits chimiques St. Denis (formerly A. Poirrier).

##### 4. Swiss Companies, all at Basel

DH....Farbwerke vorm. L. Durand, Huguenin & Co.  
G....Anilinfarben- und Extract-Fabriken vorm. Joh. Rud. Geigy.  
I....Gesellschaft fur chemische Industrie.  
S....Chemische Fabrik vorm. Sandoz & Co

##### 5. English Companies

CiCo....The Clayton Aniline Co. (Ltd.).  
CV....Colne Vale Chemical Co.  
RHS....Read Holliday & Sons (Ltd.).  
BD....British Dyes (Ltd.).  
Lev....Levinstein (Ltd.).  
Q....Imports of unknown source through dealers in colors.

#### The list of dyes follows:

Schultz No.	Dye & Maker	Quantity Pounds
177	Mordant yellow	500
	Milling yellow GA-A	
182	Brilliant sulphon red	500
	Brilliant sulphon red 10B-uc-S	
205	Diphenyl chrysoine RR	498
	Diphenyl chrysoine RRC-G	

INDUSTRIAL CHEMICAL SECTION

Imports of medicinals, intermediates, photographic developers and other coal-tar chemicals follow. The poundages given are approximate because a small quantity of the medicinals were reported in ampoules, the exact weight of which is not known.

Month	Pounds	Value
January	201,271	\$48,116
February	55,094	16,870
March	212,343	46,254
April	21,550	22,789
May	17,534	7,001
June	106,127	22,669
July	5,718	10,245

Imports of color lakes from January to July follow:

Month	Pounds	Value
January	None	None
February	4,181	\$1,848
March	11,520	3,343
April	2,956	2,143
May	3,421	1,034
June	330	463
July	390	320

The dyes in this report are grouped by Schultz numbers and in the case of those which could not be identified by Schultz number, the classification according to the ordinary method of application was adopted. As the pastes and powders of the vat dyes vary widely in strength and quantity, each vat-dye has been reduced—in nearly every case—to a single strength basis.

The designation of "c" for competitive and "nc" for non-competitive, indicates the appraisement basis for the assessment of the ad valorem duty in paragraph 28 of the Tariff Act of 1922. Those dyes without designation are doubtful, pending further investigation.

The ad valorem rate for competitive dyes is based on the American selling price, as defined in subdivision (f) of section 402 of Title IV; the ad valorem rate for non-competitive dyes is based on the United States value, as defined in subdivision (d) of section 402 of Title IV of the Tariff Act of 1922. The list of dyes was prepared by the Chemical Division of the Bureau of Foreign and Domestic Commerce in conjunction with the Chemical Division of the Tariff Commission.

Schultz No.	Dye & Maker	Quantity Pounds	Schultz No.	Dye & Maker	Quantity Pounds	Schultz No.	Dye & Maker	Quantity Pounds
220	Falatin black	500	819	Algol red FF, R	399	Hydron pink (s.s.)		1,045
223	Wool black GRF-A	500		Algol red R extra paste 12 1/4%—nc—By		Hydron pink FF paste—C		
273	Diaminogen blue	500	820	Algol brilliant violet R (s.s.)	400	Hydron scarlet (s.s.)		530
273	Diaminogen blue	2,044		Vat brilliant violet RK pdr.—By		Hydron scarlet 3B paste—C		
296	Cotton yellow	38	822	Algol brilliant orange FR (s.s.)	2,452	Hydron scarlet 3B pdr.—C		
330	Zambesi brown	10		Vat orange RRR paste 12 1/4%—By		Hydron sky blue FK paste—C		820
339	Diamine orange	1,000	830	Vat orange RRR paste—B		Hydron wool olive B 12 1/4%—nc—C		25
358	Diphenyl red	434	831	Indanthrene red R (s.s.)	807	Hydron yellow NF paste—C		200
366	Delta purpurine	441	831	Duranthrene red BN 10% paste—nc—BD	6,430	Vat (Indanthrene) blue BCD dbl. paste		1,51
370	Brilliant congo	50		Indanthrene red BN ex. paste—nc—B		Vat blue BGCS 60% pdr.—B		10
373	Congo orange	99		Indanthrene red BN ex. pdr.—nc—B		Vat blue RC dbl. paste (s.s.)—B		2
392	Congo orange R—By	121		Vat red BN extra paste—B		Vat brilliant blue R paste 10%—B		182
400	Acid anthracene red	441		Vat red RK paste—B		Vat brilliant blue R paste fine 10%—M		250
400	Acid anthracene red	441	832	Indanthrene violet RN (s.s.)	330	Vat brown GG (s.s.)		180
456	Benzo fast blue	1,682		Vat violet BN paste—B		Vat brown IGR paste 10%—B		700
462	Direct deep black	300	832	Indanthrene blue RS (s.s.)	1,206	Vat fast scarlet G paste 10%—M		500
496	Setoglaurine S—C	10		Vat violet BN paste—B		Vat khaki C in grains 40%—M		10
503	Neptune green	551	838	Indanthrene blue RS (s.s.)	1,206	Vat orange 3R paste fine 10%—B		432
534	Acid violet 7B	25		Indanthrene blue RS tr. pdr.—c		Antra pink R extra paste 10%—c—B		1,000
539	Soluble blue	10	840	Indanthrene blue 3G (s.s.)	400	Vat pink B dbl. paste (s.s.)—nc—B		4,416
543	Patent blue	1,607		Vat blue 3G paste fine—c—B		Vat red violet (s.s.)		878
545	Patent blue	882	842	Indanthrene blue GCD (s.s.)	4,043	Vat red violet RRR paste fine		
552	Chromal blue	220		Indanthrene blue GCD dbl. paste—B		10%—B		
558	Victoria blue R	119	855	Alizarin pure blue B	2,305			
559	Victoria blue B	100		Alizarin sky blue B pdr.—By				
571	Rhodamine 6G	220	856	Alizarin sky blue B pdr. 70%—nc—By	500			
573	Rhodamine B	5		Alizarin astrol B pdr.—By				
608	Euchrysine	680	856	Alizarin astrol B pdr. 40%—nc—By	2,153			
618	Thioflavine T	220	858	Alizarin saphirol B				
621	Cresyl blue BBS	10		Alizarin light blue B conc.—c—S				
622	Delphine blue B—Q	110	860	Alizarin light blue SE conc.—c—S	711			
627	Anthracyanine S—nc—DH	110		Alizarin blue SAWSA pdr.—By				
663	New methylene blue	280	860	Cyananthrol G				
703	Indamine 6R	1,000		Alizarin direct blue BGAOO—B	4,641			
709	Anthracyanine B—A	1,475	862	Cyananthrol BGAOO—B				
710	Anthracyanine B—A	1,475		Alizarin blue black B pdr.—c—By				
760	Indanthrene golden orange G (s.s.)	12,044	862	Alizarin blue black B pdr. 80%—By				
761	Indanthrene golden orange RRT paste—B	12,601	867	Indanthrene brown B (s.s.)	878			
762	Indanthrene scarlet GS pdr.	330	869	Antra brown B dbl. paste 10%—B				
774	Alizarin black	853	870	Algol brown R (s.s.)	176			
782	Alizarin brown	200	870	Algol corinth R (s.s.)	3,192			
785	Alizarin G	441	874	Vat corinth RK pdr.—By	25			
787	Alizarin bordeaux	660	876	Indigo, synthetic	5			
794	Cibanone black (s.s.)	2,864	876	Indigo solution 20%—B				
795	Cibanone yellow R (s.s.)	250	881	Indigo, white				
797	Alizarin garnet	482	881	Indigosol O—M				
798	Alizarin maroon W	1,344	881	Ciba blue 2B paste 16%—I	210			
804	Alizarin blue S pdr.—nc—By		881	Brilliant indigo 4B pdr.—B	730			
			883	Indigo KG (s.s.)	418			
			883	Indigo MLB 6B pdr.—M	750			
			883	Brilliant indigo BD (s.s.)	1,826			
			883	Brilliant indigo B 20%—B	5,724			
			883	Alizarin indigo 3R (s.s.)	2,000			
			883	Alizarin indigo 3R pdr.—By	551			
			883	Ciba heliotrope B (s.s.)	12,400			
			883	Ciba heliotrope B pdr. 83%—I	200			
			883	Ciba violet B (s.s.)				
			883	Ciba violet B pdr. 71%—I				
			883	Ciba violet B paste 20%—I				
			883	Helindone pink (s.s.)				
			883	Antra pink BN paste 10%—B				
			883	Helindone pink AN paste 10%—M				
			883	Thioindigo red B				
			883	Ciba pink B 20% paste—I				
			883	Vat (Helindone) red 3B paste 20%—M				
			883	Ciba Bordeaux B (s.s.)				
			883	Ciba Bordeaux B pdr. 96%—I				
			883	Ursol				
			883	Fur blue black SB—A				
			883	Fur brown 4R paste—A				

UNIDENTIFIED DYES		
Acid Dyes		
Dye & Maker	Quantity Pounds	
Cashmere black TN 70%—By	300	
Guinea fast red 2R—A	300	
Milling orange G—A	5	
Milling yellow F 3G—A	100	
Milling yellow R—A	5	
Onis (Anthosine) violet BB—B	25	
Wool fast blue BL—B	333	
Wool fast scarlet conc—G	55	
Vat Dyes		
Dye & Maker	Quantity Pounds	
Brilliant indigo 4BG paste 20%—B	476	
Cibanone blue 2G pdr. 73%—I	55	
Cibanone orange 3R pdr. 86%—I	55	
Cibanone orange 6R pdr. 85%—I	55	
Cibanone red C pdr. 85%—I	55	

Basic Dyes		
Dye & Maker	Quantity Pounds	
Acridine yellow AO—M	2	
Methylene blue 3G 44%—B	20	
Sulfur Dyes		
Dye & Maker	Quantity Pounds	
Cross dye green B 100%—nc—BD	1,72	
Immedial purple C—C	50	
Katigene indigo CLGG extra 25%—By	88	
Sulphide direct blue R conc.—M	1	
Sulphide green BL extra conc.—M	1	
Sulphide green GL extra conc.—M	1	
Sulphide new blue BL conc.—M	1	
Sulphide new blue CL conc.—M	1	
Sulphide new blue JL extra conc.—M	1	
Brilliant helio green GG extra—By	2	
Hansa yellow 5G pdr.—M	2	

(Continued on page 471)

## UNIDENTIFIED DYES

## Acid Dyes

Dye and Maker	Quantity Pounds
Cashmere black TN 70%—By	300
Guinea fast red 2R—A	300
Milling orange G—A	100
Milling yellow F 3G—A	5
Onis (Anthosine) violet BB—B	25
Wool fast blue BL—B	333
Wool fast scarlet conc.—G	55

## Vat Dyes

Dye & Maker	Quantity Pounds
Brilliant indigo 4BG paste 20%—B	476
Cibanone blue 2G pdr. 73%—I	55
Cibanone orange 3R pdr. 86%—I	55
Cibanone orange 6R pdr. 86%—I	55
Cibanone red C pdr. 85%—I	55

## Mordant and Chrome Dyes

Dye & Maker	Quantity Pounds
Acid alizarin gray G	1,110
Acid alizarin gray G—M	
Acid alizarin gray G 80%—M	
Brilliant chrome blue 2B—DH	110
Chrome aurine G 65%—I	243
Chromorhodine BN—nc—DH	330
Chromorhodine 6GN extra—nc—DH	
Chromovesuine RA—DH	110
Metachrome brilliant blue BL—A	100
Metachrome olive D, 2G—A	1,100
Metachrome olive brown G pdr.—nc—Bro	1,000
Pilatus chromate black B—B	1
Benzo fast heliotrope BL 40%—By	425
Benzo heliotrope BL—nc—By	220
Benzo rhodamine red B, 3R 30%—By	125
Blue 111—nc—BC	360
Brilliant blue G 80%—By	551
Brilliant fast blue 3BX 60%—nc—By	99
Brilliant orange R—A	10
Chloramine light gray B conc.—nc—S	200
Chlorantine fast brown	4,830
Chlorantine fast brown 3CL 94%—I	
Chlorantine fast brown RL 79%—I	
Chlorantine fast gray B98%—I	220
Chlorantine fast yellow 4GL 79%—I	1,102
Cotonerol A, AV extra—A	120
Cotton red 4BX—c—B	500
Developing blue B—A	10
Diamine fast brown GB—C	300
Diazanil pink B—M	300
Diazo brilliant scarlet 2BL extra conc.—nc—M	319
Diazo brown 3RB 80%—By	24
Diazo fast yellow 2G 25%—By	55
Diazo geranine B extra—By	187
Diazophenyl black 3B—G	882
Diphenyl fast gray BC—G	110
Direct catch brown GR 80%—I	2,205
Fast cotton green B, G—A	20
Ionamine B, GA, KA—nc—BDA	300
Naphthamine light brown 2G—K	30
Minax (Oxamine) black BENX—B	500
Parasulfon brown V—nc—S	500
Rosantherne orange R 67%—nc—I	331
Rosantherne violet 5R 78%—I	25
Solanine III—nc—BC	360
Zambesi pink B extra—A	25

## Basic Dyes

Dye & Maker	Quantity Pounds
Acridine yellow AO—M	20
Methylene blue 3G 44%—B	200

## Sulfur Dyes

Dye & Maker	Quantity Pounds
Cross dye green B 100%—nc—BD	1,720
Immedial purple C—C	500
Katigene indigo CLGG extra 28%—By	882
Sulphide direct blue R conc.—M	10
Sulphide green BL extra conc.—M	10
Sulphide green GL extra conc.—M	10
Sulphide new blue BL conc.—M	10
Sulphide new blue CL conc.—M	10
Sulphide new blue JL extra conc.—M	10
Brilliant helio green GG extra—By	22
Hansa yellow 5G pdr.—M	100

(Continued on page 471)

## Exports of Chemicals Drop 10 Per Cent

Foreign Shipments For First Six Months of 1924 Valued at \$67,328,599 Compared With \$74,836,422 for the Same Period Last Year—The Second Quarter Records an Advance of 7 Per Cent Over the First Three Months, But a Decline of 15 Per Cent From the High Figure of \$40,751,587 in the Second Quarter of 1923—Decline in Industrial Chemicals, Naval Stores and Fertilizers

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Aug. 13.—Exports of chemicals and allied products during the first six months of this year dropped 10 per cent from the same period of last year, according to the Chemical Division of the Department of Commerce. The division states that \$67,328,598 worth were shipped abroad during the six months period this year compared with \$74,836,422 for the same period of last year. Discussing the export figures in detail the Chemical Division says:

During the second quarter of the current year the exports recorded a 7 per cent advance over the first quarter of this year, but a 15 per cent decline from the high figure of \$40,751,587 for the second quarter of last year.

The influence of the \$11,693,764 worth of chemicals and allied products exported during the month of June, 1924,—\$3,000,000 less than the previous June—undoubtedly caused the adverse balance of the trade during the second quarter as well as during the first half year as when, compared to the corresponding periods of 1923. Whereas last year, during the month of June, the exports were the highest of the year, with the exception of July, the current June's figure failed to attain the May figure although it surpassed the figures of the other months.

Practically the same classes as have been showing losses month by month throughout the year, namely, naval stores, gums and resins, sulfur, industrial chemicals, coal-tar chemicals, pigments, paints and varnishes, fertilizers and explosives, consequently recorded decreases for the six month period.

The total exports of industrial chemicals were 10 per cent under those for the first six months of 1923, the aggregate value having equaled \$12,728,349. The more important heavy chemicals such as sodas and sodium compounds, acetate of lime, aluminum sulfate, bleaching powder, recorded losses. Sulfuric acid, calcium carbide, dextrine, formaldehyde, and glycerin showed gains. The total class of acids and anhydrides, copper sulfate, advanced in quantities, but declined in values shipped.

Dynamite, the leading item of the explosive group and accounting for 80 per cent of the group which had a total value of \$1,477,292, fell 14 per cent in value from \$1,390,777 (9,465,288 pounds) in January-June, 1923, to \$1,199,081 (8,248,238 pounds) in January-June, 1924.

Coal-tar chemicals followed the general depression with a 12 per cent loss, the aggregate value having reached \$5,531,678 in 1924; this figure, however, exceeded the figure for the first half of 1922. The small shipments made in April and June were largely accountable for the loss as during the first quarter exports were 14 per cent above the exports for the first quarter of 1923. Coal-tar crudes declined 20 per cent to \$2,449,061 for the first six months of 1924, intermediates 3 per cent, to \$214,672, and finished products 6 per cent, to \$2,867,940. A reduction of 6 per cent in the value of the exports of coal-tar colors, dyes, and stains characterized the trade for goods of this type, figures for which were

7,470,977 pounds, valued at \$2,553,217, in January-June, 1924.

In line with this general decline foreign sales of vegetable dye extracts fell 4 per cent to \$206,284 (1,617,243 pounds).

Of the major groups included under the subject of chemicals and allied products, the 23 per cent drop in the value of the exports of fertilizers and fertilizer materials from \$11,372,639 in January-June, 1923, to \$8,731,063 in January-June, 1924, was responsible to a large extent for the decline in the total group. Foreign sales throughout each month of the second quarter of the present year have been considerably below those of the preceding year. The loss in value showed that fertilizers and fertilizer materials were purchased cheaper during this period than last as the tonnage shipped in January-June, 1924, was less than one per cent under the tonnage of last year. Sulfate of ammonia shipments fell 39 per cent from \$6,147,746 (86,665 tons) in January-June, 1923, to \$3,743,767 (60,570 tons) in 1924. Foreign demand for phosphate rock likewise dropped in value from \$2,872,460 to \$2,453,852 while the quantity advanced from 396,607 tons, to 400,541 tons.

Exports of naval stores, gums and resins and explosives tied for second place as to rate of decrease with 15 per cent. After the high figure of \$12,429,412 for exports of naval stores, gums and resins, during the first half of last year, it was not remarkable that this year's figure should have shown a loss, although at that it reached \$10,433,790, a gain of over \$2,400,000 for the first half of 1922. June was the peak month of this year for values.

Shipments of rosin, one of the leading commodities of this group, rose in quantity from 629,955 tons in January-June, 1923, to 632,694 tons in January-June, 1924, but dropped in value from \$5,971,538 to \$5,573,237.

Less spirits of turpentine (4,228,815 gallons valued at \$3,900,476) were despatched to foreign countries in the first half of the current year than in last year. On the other hand, larger amounts of wood turpentine and turpentine substitutes were sold to foreign purchasers during the periods under discussion, 268,731 gallons valued at \$215,661 of the former, and 565,948 gallons, valued at \$212,214, of the latter, having left this country for foreign countries.

### BORAX PLANT TO BE STARTED SOON

(Special to DRUG & CHEMICAL MARKETS)

Wilmington, Cal., Aug. 13.—Pacific Coast Borax Co. and the Tonopah & Tidewater railway offices will be moved to this town about Aug. 15. The railway is owned by the Borax Co. which built it to transport the raw product from Death Valley to the main line of the Southern Pacific. The company will bring 250 skilled workmen and their families. Water and rail shipments of the finished product are planned. The refinery, which will cost \$2,000,000, is three stories in height and constructed of reinforced concrete. C. R. Dudley, general manager of the company, will have charge of the local plant.

G. St. J. Perrott, associate physical chemist, Department of the Interior, on the staff of the Bureau of Mines, has been detailed to go to Pachuca, Mexico, where he will spend approximately two months observing methods employed in the use of liquid oxygen explosives in a silver-lead mine of the Compania de Real del Monte y Pachuca.



## The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, pages 492-494

### COPPER, TIN AND LEAD SALTS STRONG

Recent Advances in Metals Affect Derivatives—Copper Sulfate and Carbonate Higher—Acetone Advanced—Oxalic Acid Under Competition—Barium Carbonate Lower—Bichromates Weak—Potassium Prussiate Easier—Ammonium Carbonate Higher—Improved Business Sentiment

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Ammonium Carbonate, $\frac{1}{4}$ c. lb.	Copper Sulfate, 10c 100 lbs.
Ammonium Sulfate, bulk, 5c 100 lbs.	Copper Carbonate, $\frac{1}{4}$ c. lb.
	Sodium Fluoride, $\frac{1}{4}$ c. lb.
	Sodium Nitrate, crude, 5s lb.
Declined	
Barium Carbonate, Imp., \$1.00 ton	Potassium Prussiate, $\frac{1}{4}$ c. lb.
Calcium Chloride, Imp., \$1.50, 100 lbs.	Potassium Bichromate, $\frac{1}{4}$ c. lb.
Oxalic Acid, $\frac{1}{4}$ c. lb.	Sal Ammoniac, $\frac{1}{4}$ c. lb.

Trend of the Market		Last Year		Last Year		War Peak		Pre. War	
	Today	Last Week	Month	Year	Year	Year	Year	Year	Year
Acetic Acid, Glacial...lb.	\$1.11	\$1.11	\$1.11	\$1.23 $\frac{1}{2}$	\$1.19 $\frac{1}{2}$	\$1.07			
Sulfuric Acid, 66 deg...ton	14.00	14.00	14.00	15.00	55.00	20.00			
Ammonium Sulfate, 100 lbs.	2.45	2.40	2.50	3.15	7.50	2.65			
Bleaching Powder...100 lbs.	1.90	1.90	1.90	1.75	9.50	1.50			
Copper Sulfate, c/1.106 lbs.	4.60	4.50	4.40	5.15	20.00	4.50			
Potash Caustic, Imp...lb.	.06 $\frac{1}{2}$	.06 $\frac{1}{2}$	.06 $\frac{1}{2}$	.07 $\frac{3}{4}$	.37	.08			
Soda Ash, 58 p.c. 100 lbs.	1.94	1.94	1.94	2.00	3.50	.60			
Caustic Soda, 76 p.c. 100 lbs.	3.66	3.66	3.66	3.70	9.50	1.42			
Potassium Bichromate...lb.	.09 $\frac{1}{4}$	.09 $\frac{1}{4}$	.09 $\frac{1}{4}$	.10 $\frac{1}{4}$	.65	.06 $\frac{1}{4}$			
Sodium Prussiate, Imp. lb.	.09 $\frac{1}{2}$	.09 $\frac{1}{2}$	.09 $\frac{1}{2}$	.14 $\frac{1}{2}$	1.25	.18			
Average .....	2.888	2.873	2.884	3.120	10.79	2.99			

Most factors in the market for industrial chemicals report an improvement in the volume of business with buyers showing more interest than at any time during the year. Accompanying the increase in buying is a noticeable improvement in business sentiment during the past few weeks. Sellers are watching developments closely, while buyers are cautious about going ahead too rapidly. While consuming industries are beginning to show signs of increased activity, it is felt in some quarters that the present boom in agricultural products and metals may be only temporary and manufacturers are not inclined to follow too closely the trend of these markets. Textile and paper mills have been showing a gradual recovery, but no noticeable increase is expected to develop before the Fall months. Metals have shown a decided recovery in prices. This will eventually be reflected in higher prices for metal derivatives. Competition is still keen enough to prevent sharp advances. A firmer undertone, however, is quite evident.

**Acid Acetic**—Improvement in buying is reported. Prices are being maintained at former levels, with makers quoting \$3.12@3.37 in barrels; 56%, \$5.85@6.10; glacial, \$11.01@11.76.

**Acid Formic**—Steady routine business at 12 $\frac{1}{2}$ c@13c lb. for imported material. No domestic offered. Imports for year ended June were 1,291,798 lb.

**Acid Oxalic**—Competition has been sufficient to cause domestic material to be cut to meet imported prices. Now quoted 9 $\frac{1}{2}$ c@10c lb. for both. Imports for the year ended June were 2,451,000 lbs. valued at \$173,074.

**Acid Sulfuric**—A general improvement in buying is reported while prices are unchanged. Tank car business named at \$14.00 ton for 66 degree at works; drums, \$1.10@1.25; 60 degree at \$9.00 ton, tanks, works.

**Acetone**—Producers of C. P. acetone by the fermentation process have advanced prices to 16c for drums in

carlots and 16 $\frac{1}{2}$ c@17c for less. Acetate of lime acetone is holding firm at 17c in carlots and 17 $\frac{1}{2}$ c@18c in less. Buying is stated to be good and supplies generally small. Methyl acetone unchanged 70c@75c gal.

**Ammonium Carbonate**—Stronger with imported material now quoted 12 $\frac{1}{4}$ c@13c lb. for lump.

**Arsenic**—Occasional orders are passing but buyers generally are not interested at present. Holders are asking from 7 $\frac{3}{4}$ c@8c lb., spot. Forward quotations from 7 $\frac{1}{2}$ c@7 $\frac{3}{4}$ c lb. Imports for the twelve months ended June were 21,961,334 lbs. valued at \$2,087,584. From Sept. 22, 1922, to July, 1923, imports were 12,243,109 lbs. valued at \$1,216,540.

**Barium Compounds**—Lack of interest and little buying at present. Chloride is moving occasionally at \$77.00 @ \$78.00 ton for imported; carbonate is lower at \$59.00 @ \$60.00 ton, imported; domestic, at \$64.00 ton. Nitrate quiet, 8c@8 $\frac{1}{4}$ c lb.

**Calcium Arsenate**—A little buying is going on in the South but not enough to affect the market. Supplies are plentiful in all hands. Sellers have resigned themselves to the situation and now have no hope of selling this year's production. Material may be obtained at 9c@10c lb., delivered, by those interested.

**Copper Salts**—The rise in metal prices has strengthened sulfate and carbonate. Domestic producers are about 10c higher on sulfate at \$4.60@4.75, New York. Imported is also strong at \$4.40, spot. Carbonate is quoted higher in some quarters at 16 $\frac{1}{2}$ c@17c lb. Copper oxide is moving well, 16 $\frac{1}{2}$ c@17c lb. Agricultural buying is over. Desire of buyers to cover at low prices has improved demand from industrial sources. Imports for the first six months of 1924 were 2,883,910 lbs. valued at \$121,327.

**Carbon Tetrachloride**—Unsettled owing to competition. Quotations range from 6 $\frac{1}{2}$ c@7c lb. according to quantity and seller.

**Glauber's Salt**—Stronger and quoted from \$1.25@1.75 according to quantity for domestic.

**Lead Acetate**—Still quoted at 14 $\frac{1}{2}$ c@15c lb. Rise in lead to 7 $\frac{3}{4}$ c lb. has strengthened the acetate.

**Potash Caustic**—Quiet and quoted from 6 $\frac{1}{2}$ c@7c lb. according to seller and quantity.

**Potassium Chlorate**—Sales of imported reported at 6 $\frac{3}{4}$ c lb. Domestic is unchanged at 8 $\frac{1}{2}$ c lb.

**Potassium Prussiate**—Yellow easier at 17 $\frac{3}{4}$ c@18c lb. for imported material. Red is steady at 38c@40c lb.

**Soda Ash**—Seasonal demand and shipments up to normal. Makers continue at \$1.25 for bulk, \$1.38 in bags and \$1.63 in barrels, for carlots on contract at works. Spot business in less than carlots, \$2.04@2.19 in bags and \$2.29@2.44 in barrels.

**Soda Caustic**—Shipments are reported to be up to normal while new business is showing improvement. Concerning contract prices for next year it has been intimated that higher prices may go into effect owing to the high costs of production. For the rest of the year contract prices continue at \$3.10 for 76% solid in carlots at works; ground and flake, \$3.60. Less than carlot business on spot named at \$3.76@3.91, delivered; ground and flake, \$4.16@4.31.

**Sodium Acetate**—Prices are generally firm at 4 $\frac{3}{4}$ c@5c lb for the usual quantities moving.



**Sodium Fluoride**—Firm at higher prices of 8½¢ lb. for imported.

**Sodium Nitrate**—Fair buying with prices firm at 8¼¢ @9¢ lb. for imported material. Domestic at 8½¢@9¢ lb. at works.

**Sodium Prussiate**—Domestic is held at 9½¢ lb. while imported is moving occasionally at 9¼¢@9½¢ lb. Imports for the year ended June were 1,829,697 lbs. valued at \$173,873.

**Sodium Sulfide**—Little interest shown at present. Supplies are plentiful and prices are none too firm. Business is understood to have been lost at 1¾¢ lb. for crystals. Generally quoted at 2¢@2¼¢ lb. Solid named at 3¢@3½¢ lb.

**Tin Salts**—Rising prices in metal have strengthened tin oxide and higher prices are expected. Now quoted 52¢@54¢ lb. Tin crystals holding at 35½¢@36¢ lb. for August.

French and German potash producers are to share the bulk of the American consuming business, as they have for the last two years, according to the "Journal of Commerce," which says: "They are quoting prices which the American industry cannot hope to meet, excepting in certain sections of the country where it is favored by freight rates, but where, unfortunately, very little fertilizer is manufactured or consumed."

Aluminum Co. of America will complete its big reduction plant at Sollers Point, near Baltimore, as soon as business conditions warrant. All works of the company are now in full operation, production will have to be increased. The completion of the Baltimore works would mean an expenditure of not less than \$5,000,000 and the employment of 1,000 men.

Mallinckrodt Chemical Works, St. Louis, has issued the August price list, giving advances in oxalic acid, ammonium acetate, iron carbonate saccharated, sodium nitroprusside, and silver nitrate. Declines were registered in hydrochloric acid, nitric acid, osmic acid, sulfuric acid, menthol, mercury, and sugar of milk.

Inyo Chemical Co., Berkeley, Cal., has absorbed the California Alkali Co., Carthage, Cal. The Inyo company, which controls three saline deposits of nearly 4,000 acres in California, will produce soda ash, potash, caustic soda, sodium sulfate and borax.

Du Pont Powder Co. has purchased General Explosives Co., Joplin, Mo., which is incorporated for \$1,000,000 and has offices in eight cities, including Chicago, Birmingham, Denver, St. Louis and Miami. The purchase price was not announced.

Alex. C. Fergusson, Jr., 450 Chestnut st., Philadelphia, has been appointed sales agents for Southern New Jersey, Delaware, and Eastern Pennsylvania for the chlorates, cyanides and barium salts of the Monmouth Chemical Corp., New York City.

George L. Eddy, of the Bay Point plant of General Chemical Co., has been granted a three months' leave of absence. Mr. Eddy is one of the oldest employees in point of service.

S. S. Murphy, who has been representing Braun-Knecht-Heimann Co., San Francisco, in the Philippine Islands markets, will return to the United States on Sept. 1.

Seacoast Canning Co., Eastport, Me., is operating its large fertilizer mill again.

## OLD HICKORY POWDER PLANT BURNED

(Special to DRUG & CHEMICAL MARKETS)

Nashville, Tenn., Aug. 13.—The fire which destroyed about one-half of the Old Hickory Powder Plant, eight miles from Nashville, on Sunday, Aug. 10, and 45,000,000 pounds of powder valued at \$45,000, did not damage any of the industrial factories built since the war. The du Pont fiber silk mills being constructed at a cost of \$3,000,000 are a half mile from the burned area. The loss in buildings and machinery of the Old Hickory Powder Plant is about \$2,000,000, covered by insurance.

The fire originated in Solvents Recovery House No. 8 at the northeast end of the powder storage area. The main powder house was not burned. Government records were destroyed, but duplicates are on file in the War Department at Washington. The plant was bought Nov. 22, 1920, by Nashville Industrial Corp.

## BOB WHITE CHEMICAL IS DISSOLVED

Bob White Chemical Corp., Ogdensburg, N. Y., has been dissolved. Stockholders met on July 21 to approve the recommendation of Rollin Harriman, of New York City, who said that in three years the company has lost \$300,000. At the present time, the president declared, the company has quick assets, exclusive of inventory, of approximately \$6,000. It has inventory at a book value of about \$40,000, and fixed assets with a book value of approximately \$20,000, the value of which in liquidation cannot be definitely estimated. Against these assets the company has liabilities of \$63,000. The company is an outgrowth of Morgan Chemical Corp., all of whose stockholders were Ogdensburg people.

## GERMAN CHEMICAL PRICES STILL LOW

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Berlin, July 20.—The chemical market continues dull. The foreign demand for sulfate of magnesia, sulfate of soda and calcium chloride has fallen off and prices are lower. Emergency sales by firms in financial difficulties are numerous and have a depressing influence. Metal colors, zinc white, red oxide of lead, and lithopone have never been as cheap in the market as at present. There is a fair trade in chrome salts. Sulfate of copper is quiet and the inland price is lower. Pharmaceuticals are more lively. Bromine salts are in un-diminished demand.

## POWDER VALUED AT \$600,000 BURNED

Plant No. 2 of E. I. du Pont de Nemours & Co., Carney's Point, N. J., was partly destroyed by fire on Saturday, Aug. 9, and 750,000 pounds of powder and five empty freight cars. The powder was valued at \$600,000. Five buildings containing gun cotton were saved by firemen. Carney's Point is across the Delaware River from Wilmington.

Henry Cook, chemical engineer, formerly employed by the Guggenheims, committed suicide on the tracks of the Long Island Railroad, near Lynbrook, on Thursday, Aug. 7, by lying down on the roadbed and grasping the third rail with both hands. He was 30 years old and lived at Stamford, Conn.

Charles Hardy, of Charles Handy, Inc., chemicals and metals, New York, is now in Europe on a business trip. He is expected to return in September.

S. Politi has been elected secretary of M. De Mattia Chemicals, New York City.

## The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, page 492

### BENZOL AND TOLUOL PRODUCTION SMALL

Supply and Demand, However, Are Evenly Balanced—  
Prices Unlikely to Advance—Phenol Holding at Recent Levels on Quiet Demand—Naphthalene and Cresylic Acid Inactive—Pyridine Quiet—Demand for Dyes and Intermediates Improving

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced			Declined		
	Today	Last Week	Last Month	Today	Last Week	Last Month
Ortho-toluidine, 1c lb.				Dinitrotoluene, 1c lb.		
Pyridine, 10c gal.				Dimethylaniline, 1/4c lb.		
<b>Trend of the Market</b>						
	Today	Last Week	Last Month	Today	Last Week	Last Month
Benzene, pure .....gal.	\$25	\$25	\$25	\$25	\$1.10	\$25
Naphthalene, flake .....lb.	.05	.05	.05	.07	.16	.08
Phenol, Spot .....lb.	.25	.25	.26	.32	1.50	.08
Toluene .....gal.	.26	.26	.26	.26		
Aniline Oil .....lb.	.16	.16	.16	.16	1.40	.10 1/2
Alpha-naphthylamine .....lb.	.35	.35	.35	.35	1.28	..
Benzaldehyde .....lb.	.70	.70	.75	.75	..	..
Betanaphthol .....lb.	.26	.26	.26	.22	1.50	.08
Dimethylaniline .....lb.	.34 1/2	.35	.36	.40	1.30	..
Paranitroaniline .....lb.	.68	.68	.70	.73	1.58	.18
Average .....	0.331	0.331	0.340	0.358	..	..

Mid-summer development in dyes and intermediates, while not startling, have been decidedly encouraging as a harbinger of future developments during the Fall. The last quarter of the year usually shows an improvement in buying in these commodities but this year the demand appears to have begun somewhat earlier. Textile mills are understood to be resuming operations in many New England centers. Reports state that full-time operations have already begun in several mills. After more than six months of inactivity, this news is decidedly interesting to dye and intermediate manufacturers. Thus far the improvement has been reflected in an increased number of orders, though usually for small quantities. Prices have hardly been affected. In colors competition is still keen and occasional shading is reported. Intermediates, however, continue practically stationary. Crude materials are quiet at present but gradual curtailment of production and reduction of supplies may quickly affect the market. Imports of coal-tar chemicals for the year ended June showed an increase in value of \$20,527,226 as against \$14,051,947 for the year ended June, 1923.

#### Crudes

**Benzene**—Practically no change is reported in the market, especially in the price situation. While there has been a slight increase in demand from some of the dye manufacturing companies, general demand is quiet. Supplies are limited, however, owing to the continued curtailment of production. Buyers are inclined to hold off for lower prices but prices appear to be firmly fixed at present. Sales are being made on the basis of 25c per gallon for pure in tanks at works and 30c in drums; 90 per cent material is held at 23c in tanks and 28c in drums, mills.

**Cresylic Acid**—No great volume of business is passing. Orders are confined mainly to small quantities for immediate delivery. Dark acid is quoted from 60c@62c per gallon and pale acid at 65c@68c gallon.

INDUSTRIAL CHEMICAL SECTION

**Naphthalene**—Little activity is reported in flakes and balls. A little improvement is reported in dyestuff naphthalene. Flakes are quoted at 5c@5 1/2c lb. and balls at 5 1/2c lb. Chipped, 4 1/2c lb. Imports for the year ended June were 14,064,587 lbs. against 13,053,047 for year ended June, 1923.

**Pyridine**—Demand has been practically stationary and prices for spot material have shown little variance. Offerings are heard at \$3.85@\$4.00, spot. Shipment prices are stated to be firmer at \$3.75@\$3.85. Imports for the first six months of 1924 were 280,330 lbs. valued at \$97,014.

**Phenol**—While supplies are reported to be somewhat limited, demand has been quiet. Prices are holding at recent levels of 25c@26c lb. for spot material and at works. Occasional sales are reported at 24c lb.

**Solvent Naphtha**—While stocks are not large they are in sufficient volume to meet present requirements. Sales are being made on the basis of 25c per gallon in tanks at works and 30c in drums.

**Toluene**—Orders are reported more frequent. Owing to curtailed production, supplies are somewhat limited but sufficient for current demand. Tanks are quoted 26c per gallon at works, and drums 31c.

**Xylenes**—Former quotations are in effect while business is more or less routine. Commercial named at 26c gallon in tanks, works, and 31c in drums; 5 degree, 35c@40c as to container; 10 degree, 30c@40c gallon.

#### Intermediates

**Acetanilide**—Technical is unchanged and named at 26c@28c lb. in barrels. U.S.P. material is higher at 33c@35c lb.

**Acid Anthranilic**—Moving in a routine way at 9c lb. for technical and \$1.00 lb. for refined.

**Acid Cleve's**—Improved inquiry and sales at \$1.00@ \$1.10 lb.

**Acid Gamma**—Quiet demand with makers unchanged at \$1.45@\$1.50 lb.

**Acid H**—Moving in better volume. Makers quoting 72c@75c lb. according to quantity.

**Acid Neville and Winther's**—Occasional sales at \$1.05 @ \$1.10 lb.

**Alpha-naphthylamine**—Named at 35c@37c lb. on routine buying.

**Aniline Oil**—Slightly increased business reported. Makers continue to quote 16c@17c lb. according to quantity in drums. Aniline salt offered from 18c@22c lb. according to seller and quantity.

**Benzidine**—Routine buying. Base is quoted from 78c @80c lb. as to seller and quantity.

**Dimethylaniline**—Little improvement in demand is reported. Makers now quoting 34 1/2c@35c lb. as to quantity.

**Dinitrotoluene**—Firm at 18c@20c lb. on routine demand.

**Meta-toluylenediamine**—Improved buying from fur dyers. Quoted 82c@85c lb.

**Ortho-toluidine**—Stronger under improved buying. Quoted 14c@15c lb.

## CLASSIFIED DYE LIST IS GROWING

Imports In February, April, May and June Designated as Competitive and Non-Competitive

A supplementary list of dyes and chemicals classified as competitive and non-competitive has been prepared by the Chemical Division of the Bureau of Foreign and Domestic Commerce and the Chemical Division of the Tariff Commission, covering importations in February, April, May and June, as follows:

## Dyes Imported in January

Vat Brown G Paste.....	N	C
Vat Brown R Paste.....	N	C
Guinea Fast Red BL.....	N	C
Wool Blue 5B.....	N	C
Permanent Red F 6R Extra.....	N	C
Fast Cotton Yellow 4 GL Extra.....	N	C
Fast Cotton Yellow RL.....	N	C
Indocyanine B.....	N	C
Fur Brown 2R.....	N	C
Fur Blue Black SB.....	N	C
Fur Brown NZ.....	N	C

## Dyes Imported in April

Indanthrene Red BN Extra Paste.....	N	C
Diazanil Pink B.....	N	C

## Dyes Imported in May

Vat Golden Orange G Powder.....	N	C
Vat Golden Orange RRT Paste.....	N	C
Vat Violet BN Paste.....	N	C
Vat Golden Orange RRT Paste.....	N	C
Alizarine Cyanine Green G Extra.....	N	C
Indanthrene Yellow G Double Paste.....	N	C
Benzo Fast Blue 4 GL.....	N	C
Zambesi Black V.....	N	C
Acid Cyanine BF.....	N	C
Metachrome Brilliant Blue BL.....	N	C
Metachrome Brown 6G.....	N	C
Sulphur Brown CLG.....	N	C
Fur Brown SK.....	N	C
Fur Brown SKG.....	N	C
Vat Olive R Powder.....	N	C
Vat Orange RRT Powder.....	N	C
Vat Violet BN Paste.....	N	C
Vat Orange RRT Paste.....	N	C
Benzo Rhodamine Red 3B.....	N	C
Brilliant Benzo Fast Yellow GL.....	N	C
Brilliant Sky Blue 3G Extra.....	N	C
Guinea Light Blue SE.....	N	C
Sulphur Brilliant Blue CLB.....	N	C
Acid Cyanine BF.....	N	C
Wool Black GRF.....	N	C
Cyanole Extra.....	N	C
Fur Blue Black A.....	N	C
Metachrome Violet 2R.....	N	C
Fast Cotton Gray GL.....	N	C
Fur Brown 4R Paste.....	N	C
Metachrome Brown 6G.....	N	C
Indocyanine B.....	N	C

Brilliant Congo Violet R.....	N	C
Brilliant Congo Blue 5R.....	N	C
Naphtamine Yellow BNF.....	N	C
Indanthrene Yellow G Double Paste.....	N	C
Indanthrene Brown R Paste.....	N	C
Chinoline Yellow Conc.....	N	C

## Dyes Imported in June

Zambesi Black D.....	N	C
Diamine Orange B.....	N	C
Metachrome Green 3G.....	N	C
Metachrome Olive B.....	N	C
Brilliant Congo Violet R.....	N	C
Chrome Fast Blue FB.....	N	C
Benzo Fast Heliotrope 2RL 30%.....	N	C
Cibacolor Yellow K Paste 10%.....	N	C
Cibacolor Black B Paste 10% New.....	N	C
Ciba Pink B Paste 20%.....	N	C
Kiton Pure Blue V 85%.....	N	C
Fast Yellow GC Base.....	N	C
Naphitol AS-G.....	N	C
Vat Orange RRT Paste.....	N	C
Alcol Olive R Powder.....	N	C
Ciba Scarlet G Extra Powder 98%.....	N	C
Ciba Violet B Paste 20%.....	N	C
Rhodamine 6G Extra 98%.....	N	C
Auramine G 82%.....	N	C
Direct Brilliant Blue 3B 43%.....	N	C
Direct Grey R Paste 102%.....	N	C
Setaglaucine 733.....	N	C
Diphenyl Chrysoic RRC 121.....	N	C
Wool Fast Scarlet Conc 688.....	N	C
Vat Violet BN Paste.....	N	C
Delphine Blue B.....	N	C
Chromorhodine BB.....	N	C
Chromacetine Blue S Extra.....	N	C
Naphtamine Light Brown 2G.....	N	C
Thioflavine TCN.....	N	C
Benzo Acetate.....	N	C
Neroline.....	N	C
Yara Yara.....	N	C
Phenylethyl Propionate.....	N	C
Suresol.....	N	C
Salium Purum.....	N	C
Noviform.....	N	C
Xeroform.....	N	C
Bismuth Tribromphenol.....	N	C
Musk Ambrette.....	N	C
Heliotropine Cryst.....	N	C
Phenylacetic Acid.....	N	C
Toncarine.....	N	C

Canada Dye & Chemical Co. has taken over the agreement made between the City of Kingston and Dr. Atack, chairman of the board of directors of the company, and the work of erecting a building which will be occupied by the company is to begin in September. The cost of the building is placed by the board of directors at \$90,000. The company is the first to manufacture colors in Canada.

## JULY DYE IMPORTS

(Continued from page 466)

Dye & Maker	Pounds
Paper fast bordeaux B 55%-By.....	500
Tero brown FR pdr.-B.....	2
Tero carmine FB-B.....	280

## Unclassified Dyes

Dye & Maker	Pounds
Celatine blue-nc-BDA.....	20
Celatine orange-nc-BDA.....	20
Celatine red 2/10-nc-BDA.....	20
Celatine red violet 2/10-nc-BDA.....	20
Celatine yellow-nc-BDA.....	20

## Synthetic Aromatic Chemicals of Coal Tar Origin

Dye and Origin	Quantity Pounds
Anisic aldehyde-c-France.....	22
Benzaldehyde-c-England, Holland.....	760
Benzyl acetate-c-Switzerland, Holland.....	495
Benzyl benzoate-c-France.....	14
Benzyl cinnamate-c-France.....	9 oz.
Bromostyrol-c-Switzerland.....	110
Cyclohexanol acetate-nc-France.....	11
Diethyl phthalate-c-Switzerland, Can.....	881
Ethyl anthranilate-c-France.....	2
Ethyl salicylate-c-France.....	9 oz.
Heliotropine-Germany.....	220
Heliotropine crystals-c-Switzerland.....	23
Iso butyl phenylacetate-nc-France 1 lb.....	2
Linalyl benzoate-nc-France.....	9 oz.
Methyl anthranilate-c-Switzerland, Holland.....	560
Methyl paracresol-c-France.....	4 lbs., 6 oz.
Methylparatolylketone-nc-France.....	9 oz.

Name of Chemical and Country	Quantity Pounds
Musk ambrette-nc-Holland, Switzer-land.....	220
Musk ambrette residue pdr.-nc-Switz-erland.....	500
Musk ketone-nc-Switzerland, France.....	305
Naphthyl methyl ketone-c-France.....	44
Paracresyl phenylacetate-nc-France.....	9 oz.
Phenyl acetic acid-c-Switzerland.....	50
Phenylacetaldehyde-c-Holland, Eng-land.....	60
Phenylethyl alcohol-c-Switzerland, Holland.....	85
Vanilline-c-Switzerland.....	55
Yara yara (b-naphthol methyl ether) Holland.....	110

## Color Lakes of Coal-Tar Origin

Name of Chemical and Country	Quantity Pounds
Tarminde-nc-France.....	22
Rose-nc-France.....	11
Safranum-nc-France.....	4 lbs., 8 oz.
Solferino-nc-France.....	13
Vermillion-nc-France.....	11
Viridine 1026 H-c-Germany.....	328

## Intermediates and other Coal-Tar Chemicals

Name of Chemical and Country	Quantity Pounds
Accelerator (vulcanit P)-nc-Germany.....	176
p-Amido phenone acetate-c-Germany.....	2
Amidol (diamidophenol hydrochloride)-c-Germany.....	125
Amidopyrazoline-nc-France.....	560
Anthracene subl. purif. 90%-Germany.....	11
Antipyrine-France.....	560

Name of Chemical and Country	Quantity Pounds
Benzonaphtholate-c-Italy.....	90
Beta naphthol compound-nc-England.....	6
Caffeine sodium benzoate-c-Eng. 2lbs., 15 oz.....	55
Chinosol-c-Germany.....	661
Cresidine-Switzerland.....	454
Cresylic acid-England.....	300
Developer Z (phenyl methyl pyrazo- lone)-Germany.....	220
Diamidophenol chlorohydrate-France.....	500
Diamidophenol hydrochloride-Germany.....	2
p-Dimethylamid-benzaldehyde-c-Ger.....	3 lbs., 7 oz.
Dimol-nc-England.....	125 lbs., 8 oz.
Enesol-nc-France.....	175 c.c.
Epimine-c.....	1
Eucalyptol, guaiacol and iodoform-nc-France.....	7 oz.
Euphthalmin hydrochloride-c-Germany.....	10
Fluorescein-Germany.....	1
Gaiarsine-nc-France.....	1
Guaiacol cacodylate-nc-France.....	218
Guaiacol, iodoform and eucalyptol-nc-France.....	1 oz.
Homatropine hydrochloride-c-England.....	6 lbs., 8 oz.
Indol-c-Germany.....	85
Katanol W-Germany.....	225
Ludigol-Germany.....	4 lbs., 8 oz.
Methyl-p-amidophenol-c-Germany.....	5 oz.
Methylene blue-c-England.....	22
Naphthol recryst-c-Germany.....	8
Neocaine-c-France.....	350
Ortol (methyl-o-amidophenol)-nc-Ger- many.....	22
Phenanthrene purif-Germany.....	9 oz.
Phenocoll hydrochloride-c-Germany.....	31
Pyoktanin blue-Germany.....	24
Quinazarine-England.....	113
Salicylate and iodide salt-c-France.....	66
Sodium salicylate-c-France.....	
Sodium salicylate solution-nc-France.....	



## The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 571

### COTTONSEED OIL AND TALLOW HIGHER

**Advances Continue to Feature the Market—Denatured Olive Oil and Foots Advanced With Rise in Exchange—Refined Corn, Sesame and Rapeseed Oils Higher—Stearic Acid and Red Oil Up—Chinawood Oil Easier—Turpentine and Rosins Advance**

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced						
Coconut Oil, Ceylon, 1/4c lb.				Palm Oil, Lagos, 1/4c lb.		
Cochin, 1/4c lb.				Rapeseed Oil, 2c gal.		
Corn Oil, ref., 1/4c lb.				Red Oil, 1/4c lb.		
Cottonseed Oil, crude, 1/4c lb.				Sesame Oil, edible, 1/4c lb.		
ref., 1/4c lb.				Stearic Acid, 1/4c lb.		
Greases, 1/4c@1/2c lb.				Stearine Oleo, 1/4c lb.		
Menhaden Oil, crude, 5c gal.				Tallow, city extra, 1/4c lb.		
ref., 4c gal.				Tallow Oil, acidless, 1/4c lb.		
Olive Oil, denat., 5c gal.				Turpentine, spirits, 2c gal.		
Olive Oil Foots, 1/4c lb.				Rosins, 5c@15c unit		
Declined						
Chinawood Oil, spot, 1/4c lb.				Linseed Oil, Oct., 2c gal.		
future, 1/4c lb.				Nov., Dec., 4c gal.		
Trend of the Market						
	Last	Last	Last	War	Pre-	
	Today	Week	Month	Year	Peak	War
Cod Oil, N. F. ....gal.	\$.59	\$.59	\$.60	\$.65	\$1.26	\$.36 1/2
Degras, American, bbl..lb.	.04 1/4	.04 1/4	.04 1/4	.03 1/4	.23	.08 1/2
Lard, No. 1 ....gal.	.88	.88	.81	.79	2.90	.92
Menhaden, crd., bbls..gal.	.50	.45	.40	.37 1/2	1.20	.33
Neatsfoot, 20 deg. c.t.gal.	1.46	1.46	1.46	1.31	3.45	.95
Red Oil, distilled ....lb.	.09 1/2	.09 1/2	.09	.09 1/2	.17	.07
Stearic Acid, T.P. ....lb.	.13 1/4	.13	.13	.14 1/4	.33	.12
Coconut, Ceylon, bbls..lb.	.10 1/4	.10	.10	.09 1/2	.90	.14
Cottonseed, crude, tks..lb.	.11 1/2	.11	.09 1/4	.10	.25	.08
Linseed, carlots ....gal.	1.02	1.02	.96	.97	1.85	.57
Olive, denatured ....gal.	1.25	1.21	1.21	1.12	4.50	1.05
Peanut, refined ....lb.	.16	.16	.15 1/4	.15	.30	.08
Soya Bean, bbls. ....lb.	.12 1/4	.12 1/4	.12	.10 1/2	.19 1/4	.97
Average .....	0.490	0.483	0.476	0.454	1.30	0.362

The market in miscellaneous oils, vegetable, animal and fish, continued strong during the week and numerous advances were recorded. While buyers are not inclined to follow the recent advances closely, there has been sufficient demand from the consuming industries to produce a more active market. The recent advances are based mainly upon economic and possible future developments rather than any large increase in demand. The favorable outlook for the adoption of the Dawes plan by Germany has had a great bearing upon developments in primary markets abroad. Exchange rates have been advancing and sellers abroad are quoting higher prices in addition to the increase in exchange. Domestic oils are naturally following the strength in cotton and grain markets. The bearish cotton report had little effect upon cotton oil. Soap makers are reported to be buying in larger quantities. Menhaden oil is strong owing to increasing demand for crude and small production this Summer. Demand for turpentine and rosins is improving.

#### Vegetable Oils

**Castor Oil**—Moving steadily at recent prices. No. 1 quoted at 17c@17 1/2c lb., and No. 3, 16 1/2c@17c lb.

**Chinawood Oil**—Tank car business at the Coast has been fairly active. Spot business is reported fair. Prices are easier, however, with spot oil at 14 1/2c@14 3/4c lb. in barrels; Aug., Sept., arrival, New York, 14c@14 1/4c lb. At the Coast, 12 3/4c@12 3/4c lb. as to position.

**Coconut Oil**—Sales are being made at higher prices. Supplies are somewhat limited. Ceylon held at 9 1/2c lb. in tanks, spot, and Cochin, 10 1/4c lb. Manila at Coast, tanks, 9 1/4c@9 1/4c lb.

**Corn Oil**—Crude corn oil held steady though supplies are limited. Quoted at 11 1/2c lb. at mills in tanks and 13 1/2c lb. spot, in barrels. Refiners are naming higher prices, 15 1/2c lb., inside.

**Cottonseed Oil**—The government report of an increased cotton crop over the previous report of Aug. 1 had little effect upon oil prices. Crude oil is bid higher at 11 1/2c lb. at mills. Spot P.S.Y. oil was higher at 14 1/4c lb. while refined oil, winter yellow, was advanced to 15 1/2c@16c lb. Future price of P.S.Y. oil ranged from 13c lb. for Aug. to 10.92c for March.

**Linseed Oil**—Little activity is reported at present. Flaxseed prices are slightly lower here and in Argentina. Spot and Aug. business in carlots quoted, \$1.02; Sept., 98c@1.00; Oct., 94c, and Nov.-Dec., 90c. Imported linseed oil offered at 98c gal. London prices, 41/6; Antwerp, 355f. Flaxseed in Northwest: Winnipeg opened the week at \$2.15 for Oct., \$2.08 1/2, Dec. and May, \$2.15. Duluth, Sept., \$2.34 1/2; Oct., \$2.26 1/2; Nov., \$2.25. Buenos Aires, firm, \$2.01 1/2.

**Olive Oil**—Quotations from abroad are higher with rise in exchange. Stocks are small on spot and prices are higher. Denatured up to \$1.25 gallon. Olive oil foots has advanced to 9 3/4c@10c lb. for spot and shipment.

**Palm Oil**—Higher in sympathy with rising markets. Lagos at 8 1/2c lb.; Niger, 7 3/4c@8c lb.

**Peanut Oil**—Crude oil is reported scarce and poor in quality. Prices are nominal. Refined oil is moving at 16c@16 1/2c lb., spot.

**Rapeseed Oil**—Scarce and higher at 87c@88c gallon.

**Soya Bean Oil**—Supplies are reported limited and adulterated. Spot in barrels at 12 3/4c lb. At the Coast in tanks, 10 1/4c lb. Refined in single barrels named at 14 1/4c lb., spot.

#### Animal Oils

**Greases**—Improved buying and a stronger market. All grades higher. White, 11 1/2c@12c lb.; yellow, 7 1/2c lb.; house, 7 1/4c lb.

**Lard Oil**—Held steady during the week on steady demand. Edible, 16 1/2c lb.; extra, 13 3/4c lb.; No. 1, 11 3/4c lb.

**Neatsfoot Oil**—A fair volume of business is reported at current prices. Cold pressed oil held at 19 1/2c lb.; pure, 15c lb. and extra, 12 1/4c lb.

**Oleo Oil**—Producers are asking higher prices following an improved demand. No. 1 named at 15 3/4c@16c lb.; No. 2, 14c@14 1/4c lb.

**Red Oil**—Following the continued rise in raw materials, producers have advanced prices 1/4c lb. to 9 1/2c lb. in carlots.

**Stearic Acid**—Producers are quoting higher prices following the recent advances in tallow market. Single pressed named at 11 1/4c@11 1/2c lb.; double pressed, 12c@12 1/2c lb.; triple pressed, 13 1/4c@13 1/2c lb.

**Stearine Oleo**—Moving well and quoted higher, 15 3/4c@16c lb.

**Tallow Oil**—Higher owing to the rise in raw material. Acidless tanks named at 10 3/4c lb.

**Tallow**—Continues to advance and sales are reported from 8 1/2c@8 3/4c lb.



### Fish Oils

**Cod Oil**—In routine demand with prices holding steady, 55c@57c gallon in tanks, New York, and 59c@61c in barrels.

**Menhaden Oil**—Fishing is reported the poorest in years and several mills are shut down for lack of oil. Demand from soap makers is active and has caused producers to advance prices to 50c@55c gallon for crude oil at mills. Refined oils are higher owing to higher cost of crude oil. Light strained, 68c@70c gal.; yellow bleached, 71c@72c gal.; extra bleached, 73c@75c gal.

### Naval Stores

**Turpentine**—Buying has been more active and prices have responded with an advance of 2c in primary markets. Savannah, firm at 83½c gallon. Spot prices are held at 86½c gallon for spirits. Destructive, 67c gallon.

**Rosins**—Export demand has been active for both European and South American accounts. Domestic business has also improved. All offerings have been taken daily in the South. Prices have advanced from 5c@15c according to grade. New York prices: B, \$5.70; D, \$5.90; E, \$6.00; F to M, \$6.05; N, \$6.25; WG, \$7.20; WW, \$7.75.

### TURPENTINE HIGHER AT SAVANNAH

(Special to DRUG & CHEMICAL MARKETS)

Savannah, Ga., Aug. 11.—Turpentine closed the week firm at 83½c, an advance of nearly six cents over a week ago. The advance has been due to the improvement in demand, buyers showing more interest than at any time in many months. All offerings have been disposed of from day to day. The expected favorable settlement of the Dawes plan arranging for Germany's debt to the Allies is believed to have had considerable to do with turpentine and rosin selling higher. Domestic demand is expected to increase during the next month. Receipts for week, 4,917 bbls.; sales reported, 876 bbls.; shipments, 6,140 bbls.; stock, 9,948 bbls. Rosins closed firm at higher prices. Demand has been increasing and is expected to continue to increase, especially for export. Receipts, 14,585 bbls.; sales, 10,568 bbls.; shipments, 18,893 bbls.; stock, 98,511 bbls. Stocks were reduced by 12,387 bbls.

### DU PONT PAINT AGENCIES DOUBLED

The convention of the Paint and Varnish Division of E. I. du Pont de Nemours & Co., was conducted by S. B. Woodbridge, director of sales, G. A. Biesecker, sales manager of Philadelphia district, and A. H. Avery, Manager of New England district. The feature of the convention was the national advertising program of the Paint and Varnish Division for 1924-25, which was explained by C. F. Brown, director of advertising, Norman Craig of Frank Seaman, Inc., and W. M. Zintl of Curtis Publishing Co. Other subjects covered were "Merchandizing and Sales Promotion" by R. A. Hardy; "Recent Progress and Improvements in Products" by L. P. Nemzek; "Trade Record" by George Kerr; "Reports and Co-operation" by W. T. Banning.

It was announced at the convention that the number of du Pont full-line paint and varnish agencies had been doubled within the last two years.

Julian Hartridge has been appointed receiver for Concentrated Products Corp., 395 Broadway, manufacturer of soap. Liabilities \$400,000, assets \$110,000. The company has a factory at Carlstadt, N. J.

Pratt & Lambert, Long Island City, paint and varnish manufacturers, held a two-days convention last week at the Hotel Pennsylvania, New York.

### PAINT CLUB COMMITTEES NAMED

E. V. Peters, president Paint, Oil and Varnish Club of New York, announced the following committee appointments for the 1924-1925 club year: Entertainment committee, H. M. Howard, chairman, Harry E. Baer and Andrew L. Somers; acquaintance committee, Frank Waldo, chairman, Carl Black, E. J. Rotheim, H. C. Louderbough, Martin F. Assmann, A. G. Schumann, Frank Cheesman; allied trades committee, H. D. Ruhm, chairman, D. W. Mulford and H. A. Vincent; dry colors committee, Andrew L. Somers, chairman; C. K. Williams, Robert Magruder, Jr.; oils committee, F. W. Burnside, chairman, J. E. Johnson and D. E. Bergen; varnish committee, E. F. Hopper, chairman; A. Lawrence Phillips and D. C. Arnold; transportation committee, F. LeB. Gardner, chairman, R. C. Cox and H. I. Pfeffer; grinders committee, D. E. Breinig, chairman, H. L. Wilkinson and E. W. Woodruff; lead and zinc committee, F. C. Fuller, chairman, Joseph Mangin and H. G. Sidford; legislative committee, Arthur S. Somers, chairman, Eugene Merz and Harry J. Schnell; membership committee, Harold Rowe, chairman, W. R. Morpeth, G. D. White, A. G. Fairweather; naval stores committee, L. C. Green, chairman, C. F. Guignon and H. K. Smith. Special committees: Golf committee, Hoskison Gates, chairman; save-the-surface committee, Charles J. Roh, chairman, J. G. C. McNair, W. J. Robertson, William S. Baldwin, J. A. Spooner.

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will receive bids until Aug. 26 for 900 gals. creosote for the Mare Island navy yard as per Schedule 2516. Until Aug. 19 for a quantity of pigment, paint of different kinds, colors dry and in oil, beeswax, drop black, gold leaf, lamp black, rosin, powdered aluminum, litharge, manganite, paint remover, pine tar and similar products for various yards, as set forth in Schedule 2499. Until Aug. 26 for 30,000 sq. ft. insulating compressed cork, for the Puget Sound navy yard, as per Schedule 2514. And until Aug. 19 for 3,500 gals. non-alcoholic vanilla flavor for the Hampton Roads and Mare Island navy yards, as specified in Schedule 2518.

The factory production of fats and oils during the three month period ended June 30 was as follows: Vegetable oils, 350,344,362 pounds; fish oils, 6,899,682; animal fats, 635,610,183 pounds, and greases, 102,204,064 pounds, a total of 1,095,058,291 pounds. Of the several kinds of fats and oils covered by this inquiry, the greatest production, 525,548,447 pounds, appears for edible and neutral lard. The production of refined oils during the period was as follows: Cottonseed, 165,065,510 pounds; coconut, 37,196,771 pounds; corn, 22,500,718 pounds; peanut, 1,753,353 pounds; soya bean, 362,525 pounds, and palm kernel, 162,653 pounds.

Consul General Heintzleman, Hankow, China, reports by radio dated July 19 that the price of wood oil has increased from 16.8 taels to 18.9 taels per picul. Early July stocks at Hankow were 500 tons, with the Chinese purchasing larger amounts than customary for local consumption. Total exports in June were 16,750 barrels, of which 9,340 barrels, valued at \$448,500 were taken by the United States.

Flames swept the plant of Gorgas-Pierie Mfg. Co., manufacturers of coconut oil, and the adjoining plant of Bisbee Linseed Oil Co., Philadelphia, Aug. 8, causing loss estimated at \$1,000,000.

The Argentine export duty on flaxseed for August is 3.10 gold pesos for metric-ton, an advance from 2.41.

## Chemicals for Consuming Industries

Heavy Chemicals, page 492, Tan and Dyestuff, page, 512, Fatty Oils, page 509

### CHEMICAL COMPETITION CONTINUES KEEN

**Prices Show Less Evidence of Upward Tendency This Week—Numerous Strong Products But Larger Number of Declines Noted—Chemical Sellers Holding For Resumption of Consuming Activity**

Competition continues in the markets for chemicals in spite of the improved tone of the past few weeks. There is less evidence of an upward tendency in prices such as was noted ten days or two weeks ago. Although reports from various quarters indicate a general pick-up in consuming industries, the consequent demand for spot and immediate-shipment chemicals has not been heavy enough to support prices. There are numerous strong items, such as the fatty oils, naval stores, tin, copper, and lead salts, and most of the solvents except carbon tetrachloride, but, nevertheless, a larger number of declines have been noted this week. The chemical trade continues to look forward to September and October as the months during which most of the heavier buying will take place.

### Agricultural Chemicals

	Trend of the Market				Last Year	War Peak	Pre-War
	Today	Last Week	Last Month	Last Year			
Acid Sulfuric, 66%.....ton	\$14.00	\$14.00	\$14.00	\$15.00	\$35.00	\$20.00	
Ammonium Sulfate, 100 lbs.	2.45	2.40	2.50	3.15	7.75	2.65	
Arsenic.....lb.	.0734	.0734	.08	.15	.18	.04	
Copper Sulfate.....100lbs.	4.60	4.50	4.50	5.15	20.00	4.50	
Paris Green.....lb.	.50	.50	.50	.50	.50	.11	
Potash Muriate, 90%.....ton	31.00	31.10	31.70	35.55	475.00	39.57	
Potash Sulfate, 90%.....ton	41.27	41.27	41.27	45.67	440.00	48.07	
Phosphate Rock, 68%.....ton	2.25	2.25	2.25	3.25	11.00	3.00	
Phosphate, Acid, 16%.....ton	8.25	8.25	7.50	9.00	21.00	15.00	
Sodium Nitrate.....100lbs.	2.52	2.47	2.40	2.42	5.00	1.90	
Average.....	10.695	10.600	10.582	11.910	103.54	13.84	

Fertilizer materials have taken on a stronger tone following an improved demand and the continued strength in agricultural products. The rise in sterling exchange has accounted for higher prices for nitrate of soda. Ammonium sulfate is moving in better volume and at slightly higher values. Insecticides and fungicides are in quiet demand.

#### Fertilizers

**Ammoniates**—Demand for supplies for feeding purposes has created a stronger tone. Dried blood is higher on spot at \$3.50 unit; raw bone, New York, named at \$30.00 a ton; owing to poor catches, fish scrap is strong at \$3.75 for dried scrap at works; acid scrap is higher at \$3.25, Norfolk and Baltimore basis; tankage has advanced to \$3.50 and 10, New York, and \$4.25 and 10, Chicago.

**Ammonium Sulfate**—Improved buying is reported for both domestic and foreign accounts. Bulk at works named at \$2.45@2.50 and double bags for export, \$2.75, freight allowed to shipping points.

**Acid Phosphate**—Producers are holding at the recent advance. Buying is stated to be improving. Quotations from \$8.00@8.50 at works.

**Potash Salts**—Shipments are beginning to arrive. Nothing new in the way of new prices is reported and business is passing on the basis of \$31.10 for muriate, 80%, and \$41.27 for sulfate, 90% basis.

INDUSTRIAL CHEMICAL SECTION

**Sodium Nitrate**—Prices have strengthened following the rise in sterling exchange. Sellers are quoting higher prices, \$2.52@2.56 for Aug. delivery and \$2.54@2.58 for Sept. A fair demand is reported in selling quarters.

**Sulfur**—Shipments are holding up. Prices are steady with crude at \$14.00@15.00 ton at mines and \$18.00@19.00 ton at Atlantic Ports.

#### Insecticides and Fungicides

**Arsenicals**—Little hope is held for a recovery in calcium arsenate. Some business is passing in the South but not sufficient to affect the market. Supplies are plentiful in all hands. Prices mean little but range from 9c@10c lb., delivered. Arsenic is naturally quiet with quotations around 7½c@8c lb.; Paris Green is fair at 25c@30c lb.; lead arsenate moving at 19c@25c lb.

**Copper Salts**—Copper sulfate is becoming stronger with the recent additional advances in metal. Domestic now held at \$4.60@4.90 as to quantity and imported at \$4.40, spot. Industrial demand is improving, while agricultural is quiet. Copper carbonate demand is expected to increase owing to black rust in Northwest. Quoted from 16c@16½c lb.

**Miscellaneous**—Bordeaux mixture held at 11c@16c lb. as to quantity; carbon tetrachloride under competition at 6½c@7c lb.; carbon bisulfide unchanged, 6c@6½c lb.; formaldehyde holding at 9c@9½c lb.; corrosive sublimate named at 98c lb. and nicotine sulfate, \$1.05@1.30 lb.

### Leather Chemicals

	Trend of the Market				Last Year	War Peak	Pre-War
	Today	Last Week	Last Month	Last Year			
Acid, Acetic, 28%.....	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50	
Acid, Formic, 90%.....	.13	.13	.13	.12½	1.80½	.07	
Acid, Lactic, 22% dark.....	.05	.05	.05	.04½	.07	.02	
Potassium Bichromate.....	.094	.094	.094	.10	.65	.064	
Epsom Salt, tech.....	1.80	1.80	1.80	1.85	3.75	1.00	
Sodium Prussiate, Imp.....	.094	.094	.094	.16	1.25	.18	
Soda Ash, 58% wks.....	1.38	1.38	1.38	1.45	4.10	.69	
Sodium Bichromate.....	.074	.074	.074	.074	.45	.044	
Sodium Hyposulfite, pea.....	2.50	2.50	2.50	2.75	3.75	1.80	
Sodium Sulphide, 60% wks.....	.084	.084	.084	.044	104	.024	
Average.....	.926	.926	.927	.999	3.267	.528	

While the trade is buoyed up with prospects of better business in the Fall, present demand continues slow for routine business. Fatty oils are maintaining their strength with advances in practically all items. Occasional shading is reported in chemicals.

**Acids**—A slight improvement is reported in some acids. Acetic is moving in better volume with prices steady, \$3.12@3.37 for 28% as to quantity in barrels; 56%, \$5.85@6.10; glacial, \$11.01@11.76; formic continues in fair demand at 12½c@13c lb.; lactic is unchanged at 5c@5½c lb. for 22% dark and 5½c@6c lb. for light; 44% quoted 10½c@11c lb. for dark; oxalic is under competition and quoted from 9½c@10c lb. as to seller and quantity. Mineral acids are steady on routine demand.

**Alkalis**—Consumption is along normal lines for the season. Nothing new in prices with makers quoting contract business at \$3.10 for solid caustic in carlots at works; ground and flake, \$3.60. Soda ash on con-

tract in cars, bulk, \$1.25, bags, \$1.38, and barrels, \$1.63. Less than car lot business, New York, for caustic, \$3.76 @ \$3.91 for solid, delivered, and \$4.16 @ \$4.31 for ground and flake; ash, \$2.04 @ \$2.19 in bags and \$2.29 @ \$2.41 in barrels, delivered.

**Chemicals**—Bichromates have been weakening gradually. Potassium bichromate selling down to 9c lb. and sodium at 7c lb. though generally quoted  $\frac{1}{4}$ c @  $\frac{1}{2}$ c lb. higher; sal ammoniac is firm at  $6\frac{1}{2}$ c lb. for imported material; imported Epsom salt is firm at \$1.40, while domestic is held at \$1.70 @ \$2.00 as to quantity for technical; copperas named at \$18.00 ton in bags, works; potassium titanium oxalate, 25c @ 30c lb.; yellow potassium prussiate is easier around 18c lb. and sodium prussiate appears firmer at  $9\frac{1}{2}$ c @  $9\frac{3}{4}$ c lb.; sodium hyposulfite, quiet,  $2\frac{1}{2}$ c @ 3c lb.; sodium sulfide is weak with crystals offered at  $1\frac{3}{4}$  @ 2c lb.; solid,  $3\frac{1}{2}$ c @ 4c lb.

**Oils**—Fatty oils continue to advance owing to rise in tallow and agricultural products. Cod oil is unchanged at 59c @ 61c in barrels; linseed oil is steady at \$1.05 in small lots; refined menhaden oil is higher owing to the higher cost of crude; light strained, 68c @ 70c gal.; yellow bleached, 71c @ 72c gal.; oleo oil is high, 14c @  $14\frac{1}{4}$ c lb.; neatsfoot is unchanged,  $12\frac{1}{4}$ c lb. for extra; olive oil is higher; degreas,  $4\frac{1}{4}$ c @ 5c lb.; red oil is higher,  $9\frac{1}{2}$ c @  $9\frac{3}{4}$ c lb.; sperm oil is steady.

**Dye and Tan Woods**—Position of this line of chemicals is unchanged over last week. Buyers appear to be waiting for the actual opening of the tanneries before taking on supplies. Divi divi steady at \$42 @ \$43 ton. Myrobalans, J-1, in small demand at \$37 @ \$38 ton. Sumac firm, though quiet at \$158 @ \$160 ton.

**Extracts**—Business during past week has been con-

finied to routine demand. Fustic liquid named at 10c @ 14c lb. spot as to strength and seller. Gambier, common, firm at  $12\frac{1}{2}$ c @ 13c lb. spot. Quebracho, 65 per cent solid, steady at 4c @  $4\frac{1}{2}$ c lb. spot, and clarified at  $4\frac{1}{2}$ c @  $4\frac{3}{4}$ c lb.

The first of July was an important date for a number of industries, according to Ray M. Hudson, chief of the Division of Simplified Practice, Department of Commerce, being the time when simplification became effective in a number of industries which, with the co-operation of the Division, have discovered an excess of varieties of their products, and in which the producing, distributing and consuming groups have agreed that fewer sizes, styles or other variations would serve the purpose previously served by many items. One large industry which has applied its simplification agreement is the paper industry, which has made effective certain basic sizes, as well as weights.

Bay Sulphite Co., Ltd., Port Alfred, Que., has been taken over by Port Alfred Pulp and Paper Corp. Bay Sulphite Co. began operations in 1918 with an annual output of 28,000 long tons of sulfite pulp. The capacity has been increased to 40,000 long tons and it is stated that the company is producing sulfite pulp cheaper than any other company in Eastern Canada. The company which has plans for important extensions controls approximately 4,250,000 cords of pulpwood, having in addition to its own holdings long term contracts with Chicoutimi Freehold Estates, Ltd., which owns 400,000 acres of virgin forest.

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## Paper Chemicals

	Trend of the Market				Last Year	War Peak	Pre-War
	Today	Last Week	Last Month	Last Year			
Aluminum Sulfate .....	\$2.40	\$2.40	\$2.40	\$2.40	\$5.50	\$1.50	
Bleaching Powder .....	1.90	1.90	1.90	1.75	9.50	1.50	
Casein .....	.10%	.10%	.10%	.25	.28	.20	
China Clay, Dom. ....	10.00	10.00	10.00	15.00	25.00	8.00	
Chlorine c/l Cyl. ....	.05%	.05%	.05%	.05%	.30	.08	
Salt Cake .....	19.00	19.00	20.00	25.00	80.00	11.00	
Sodium Silicate, 40% ..	.80	.80	.80	.95	1.75	2.00	
Soda Ash .....	1.38	1.38	1.38	1.45	4.10	.69	
Sulfur .....	18.00	18.00	18.00	18.00	65.00	20.00	
Rosin F grade .....	6.15	5.90	5.80	5.95	4.50	20.25	
<b>Average .....</b>	<b>5.940</b>	<b>5.915</b>	<b>6.005</b>	<b>7.190</b>	<b>13.30</b>	<b>5.50</b>	

Buying of paper chemicals is stated to have improved, especially in the West, where mills are resuming operations. The improvement is gradually spreading to the East. Casein is stronger, especially Argentine material. Rosins have been advancing.

**Alkalis**—Consumption is along normal lines for the season. Nothing new in prices with makers quoting contract business at \$3.10 for solid caustic in carlots at works; ground and flake, \$3.60. Soda ash on contract in cars, bulk, \$1.25, bags, \$1.38, and barrels, \$1.63. Less than car lot business, New York, for caustic, \$3.76 @ \$3.91 for solid, delivered, and \$4.16 @ \$4.31 for ground and flake; ash, \$2.04 @ \$2.19 in bags and \$2.29 @ \$2.41 in barrels, delivered.

**Bleaches**—Consumption reported seasonal. Prices generally unchanged with makers quoting carlot business at works, \$1.90 in large drums; small drums \$2.15 and less than carlots, 15c higher. Liquid chlorine

is moving at former prices of 4½c lb. in tank car quantities; carlots of cylinders, 5½c lb.; less than carlots, 6½c lb.; less than ton lots, 7½c lb.

**Chemicals**—Prices are holding steady. Buying appears to be improving. Sulfate of alumina named at \$2.25 @ \$2.40 as to quantity for iron-free; technical, \$1.30 @ \$1.35; sodium bisulfite, 4c @ 4½c lb. for dry and \$1.25 @ \$1.75 for 100 lbs. for liquid; sodium silicate moving at 75c in tanks for 40° and 80c @ 85c in drums; salt cake is quoted from \$18.00 @ \$20.00 ton and some grades lower.

**Sizings**—Casein is reported stronger, especially Argentine material which is named at 11c @ 11½c lb.; domestic held at 10½c @ 11c lb. Improvement is reported in rosin buying from domestic and foreign accounts. Prices have advanced from 10c @ 25c. New York quotations: B, \$5.75; D, \$5.95; E, \$6.05; F to I, \$6.15; K, M, \$6.20; N, \$6.30; WG, \$7.30; WW, \$7.75.

Rubber manufacturers are operating cautiously, but viewing the immediate future with more confidence because the industry has taken an upward trend from the slump of recent months, according to "The India Rubber World," which says. "Business in compounding ingredients has improved, particularly in those lines that show low volume cost combined with technical adaptation in competitive compounding."

A recent patent by G. Hallett (Brit. Pat. 215,614) proposes to add alum, with or without a small percentage of common salt, to rubber solutions to improve their adhesive properties.

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## Rubber Chemicals

### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre- War
Antimony Sulfide Crim....	\$30	\$39	\$39	\$35	\$45	\$35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black .....	.10	.10	.12	.15	.30	.14
China Clay, Imp.....	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82½	.82½	.82½	.97	1.35	..
Iron Oxide, Span. ....	.03	.03	.03½	.04	.04½	.05
Lithopone .....	.06½	.06½	.06½	.06	.08	.04
Sulfur .....	3.05	3.05	3.05	2.50	6.50	2.75
Whiting, Dom. ....	14.00	14.00	14.00	18.00	30.00	11.00
Zinc Oxide, Amer. ....	.08	.08	.08½	.07	.09½	.09
Average .....	3.459	3.459	3.464	3.820	5.931	..

Movement of rubber chemicals last week was along routine lines, although some activity was reported in barytes and whiting. Imported materials appear high, compared with spot values, and with the depletion of spot stocks, replacements will undoubtedly cost more, unless foreign shippers weaken in the meantime. C.P. acetone has firmed up and is now quoted at 16c to 17c pound works in car lots as to maker. Carbon black is still easy, both on spot and in Louisiana. Accelerators are in fair demand.

**Acid**—Acetic is steady with holders naming \$3.12@ \$3.37 cwt. for 28 per cent; \$5.85@ \$6.10 for 56 per cent; \$7.20@ \$7.45 for 70 per cent; \$8.19@ \$8.44 for 80 per cent, commercial; \$9.98@ \$10.23 for 80 per cent, pure; and \$11.01@ \$11.75 for glacial material.

**Accelerators**—Some fair business has been reported especially in diphenylguanidine and carbanilide. Aniline

oil is quiet at 16c@17clb. works, and 17c@18clb. spot. Diphenylguanidine is active at \$1.10@ \$1.15lb. spot. Hexamethylene is quiet at 82½c@85clb. spot. Litharge is steady at \$10.50@ \$11.00 cwt. spot. Quinoidine is quiet at 55c@60clb. spot. Carbanilide is in steady demand with holders quoting 27c@29clb.

**Colors and Compounding Materials**—The majority of the items in this group have been quiet with exception of barytes and whiting. Antimony sulfurette, however, has been active at 19c@24clb. spot for golden, and 39c @50clb. for crimson. Blanc fixe is quiet with holders naming 4c@4½clb. spot. Carbon black is dull at 10c@ 11clb. spot in lc/l in cases for ordinary; 11c@12clb. for air floated; and 10c@11clb. for compressed material. Magnesium carbonate is in fair demand at 8½c@8¾clb. spot, and calcined at 5½c@6clb. Talc is quoted at \$16 @ \$18 ton works or \$28@ \$30 ton ex-warehouse for domestic; French, \$40@ \$45; and Italian, \$60@ \$80 ton. White barytes is active at \$23@ \$25 ton works for domestic, and \$28@ \$34 ton for imported material. Whiting is also active at \$13@ \$15 ton for domestic, and \$18 @ \$19 ton for imported goods. Zinc oxide is steady with holders quoting 8½c@9clb. spot.

**Mineral Rubber**—Little activity reported at \$35@ \$75 ton for 300/315 quality.

**Solvents**—C.P. acetone is higher at 16c@17clb. works in car lots, and methyl acetone 75c@80c gal. Benzene is steady at 23c@25c gal. works in tanks, and 28c@30c gal. in drums. Pure is held at 25c gal. works in tanks, and 30c gal. in drums.

**Sulfur**—Quoted easy at \$3.05@ \$3.30 cwt.; and super-fine \$2.50@ \$2.90 cwt.

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## Textile Chemicals

### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Acid, Acetic, 28% .....	\$3.12	\$3.12	\$3.12	\$3.17½	\$17.00	\$1.50
Acid Oxalic .....	.09½	.09½	.10	.13	.70	.07½
Bleaching Powder .....	1.90	1.90	1.90	1.75	9.50	1.50
Copper Sulfate .....	4.60	4.50	4.50	5.60	20.00	4.50
Epsom Salt, U.S.P. ....	2.10	2.10	2.10	2.25	4.25	1.50
Glauber's Salt .....	1.20	1.20	1.30	1.25	2.50	.80
Potash, Caustic, Imp. ....	.06½	.06½	.06½	.07½	.87	.12
Soda Ash, 58% wks. ....	1.35	1.28	1.33	1.45	4.10	.60
Soda Caustic, 76% wks. ....	3.10	3.10	3.10	3.16½	9.50	1.80
Sodium Bichromate .....	.07½	.07½	.07½	.07½	.45	.04½
Average .....	1.773	1.763	1.763	1.790	4.800	1.42

A slight improvement is reported in demand for textile chemicals. Prices are holding steady in most items. Competition in a few products has accounted for price shading.

**Acids**—A slight improvement is reported in some acids. Acetic is moving in better volume with prices steady, \$3.12@3.37 for 28% as to quantity in barrels; 56%, \$5.85@6.10; glacial, \$11.01@11.76; formic continues in fair demand at 12½¢@13¢ lb.; lactic is unchanged at 5¢@5½¢ lb. for 22% dark and 5½¢@6¢ lb. for light; 44% quote 10½¢@11¢ lb. for dark; oxalic is under competition and quoted from 9½¢@10¢ lb. as to seller and quantity. Mineral acids are steady on routine demand.

**Alkalis**—Consumption is along normal lines for the season. Nothing new in prices with makers quoting contract business at \$3.10 for solid caustic in carlots at works; ground and flake, \$3.60. Soda ash on con-

tract in cars, bulk, \$1.25, bags, \$1.38, and barrels, \$1.63. Less than car lot business, New York, for caustic, \$3.76 @ \$3.91 for solid, delivered, and \$4.16@4.31 for ground and flake; ash, \$2.04@2.19 in bags and \$2.29@2.41 in barrels, delivered.

**Bleaches**—Consumption reported seasonal. Prices generally unchanged with makers quoting carlot business at works, \$1.90 in large drums; small drums \$2.15 and less than carlots, 15¢ higher. Liquid chlorine is moving at former prices of 4½¢ lb. in tank car quantities; carlots of cylinders, 5½¢ lb.; less than carlots, 6½¢ lb.; less than ton lots, 7½¢ lb.

**Chemicals**—Competition and slow demand have affected bichromates. Potassium bichromate quoted around 9¢ lb., and sodium 7¢@7½¢ lb.; sal ammoniac named at 6¼¢@6½¢ lb. for imported; carbon tetrachloride, 6½¢@7¢ lb. as to seller; copper sulfate tending higher, \$4.75@4.90 for small lots; Epsom salt, \$1.40 for shipment technical and \$1.75 for domestic; Glauber's salt, \$1.25@1.50; caustic potash unchanged and quiet, 6½¢@6¾¢ lb.; potassium prussiate lower, 18¢@18½¢ lb.; sodium prussiate, 9½¢ lb.; sodium nitrite firm, 8¾¢@9¢ lb.; potassium permanganate, 13¾¢@14¢ lb.; tin crystals, 35½¢@36¢ lb.

**Starches and Dextrines**—Gradual improvement in buying reported. Prices unsettled owing to fluctuations in corn market. Prices firm at last week's advance; British gum, \$4.82@4.92; white corn dextrine, \$4.52@4.62; yellow dextrine, \$4.57@4.67; potato, 7¢@7¾¢ lb.; powdered corn starch, \$3.97@4.07; pearl starch, \$3.87@3.97.



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## LIST OF DYE STANDARDS EXTENDED

(Special to DRUG &amp; CHEMICAL MARKETS)

Washington, D. C., Aug. 13.—The Treasury Department has just issued list No. 7 of Dye Standards as follows (the names of imported products which are commercially identical with each standard are indented under the standard):

No.	Class Index	Name of Standard	Mfr.
1 h	(M)	Alizarine Claret R 20% Paste.....(M)	
2 h	C353a	Alizarine Claret R Pastes & Powder... (M)	
		Benzo Fast Heliotrope 4 BL.....(By)	
3 h	(D)	No identical product	
		Brilliant Benzo Violet 2R.....(By)	
4 h	(D)	No identical product	
		Diamine Fast Brown G.....(C)	
5 h	C324	No identical product	
		Diazo Brilliant Orange GR Extra.....	
6 h	(A)	No identical product	
		Helio Brilliant Green GG Extra.....(By)	
		Brilliant Helio Green GG Extra.....(By)	
7 h	(D)	No identical product	
		Naphtamine Light Brown 2G.....(K)	
8 h	Dap	No identical product	
		Oxydiamine Brown RN.....(C)	
9 h	No identical product	Paper Fast Bordeaux B.....(By)	
10 h	(CP)	No identical product	
		Ultra Cyanine RB.....(S)	
11 h	(M)	No identical product	
		Ultra Orange R.....(S)	
12 h	(A)	No identical product	
		Xylene Milling Orange R.....(S)	
		Xylene Milling Orange R Conc.....(S)	
<b>Additional Names of Dyes Corresponding to Dyes Already Adopted as Standards</b>			
7 a	S779	Alizarine Orange A 20% Paste.....(B)	
	C1033		
199	(D)	Alizarine Orange R Pastes & Powder..(By)	
		Diamine Catechine G.....(C)	
314	S842	Direct Cutch Brown GR.....(J)	
		Indanthrene Blue GCD8 1/4% Paste.....(B)	
		Algoe Blue FB. Pastes & Powder.....(By)	
317	C113		
	S837	Indanthrene Blue R S. 10% Paste.....(B)	
	C1106		
318	(V)	Indanthrene Blue RZ 10% Paste.....(B)	
		Vat Blue RZ Pastes & Powder.....(B)	
71a	(V)	Indanthrene Green GG 25% Paste.....(B)	
		Helindone Green IGG Pastes & Powder..(M)	

73a	(V)	Indanthrene Scarlet GS.....(B)	
381	(M)	Helindone Orange I 4 R.....(M)	
402	S360	Omega Chrome Brown PB.....(S)	
	C40	Omega Chrome Brown PB Conc.....(S)	
		Pyramine Orange R.....(B)	
466	S22	Ignamine Orange R.....(B)	
	C639	Xylene Light Yellow 2 G.....(S)	
		Acid Chrome Yellow GL.....(By)	

American Printing Co., Fall River, Mass., will resume operations this week. The John S. Boyd corduroy mill in Williamstown, Mass., resumed operations last week on a full time schedule after having been closed for several months. Pepperell Mills announced last week that it would operate its broad looms four days a week until further notice. Hill Manufacturing Co., Lewiston, Me., has started on full time.

Boston chemical and dyestuff dealers report July sales were slightly larger than June sales and business during the first week in August shows further expansion. The advance in the price of alcohol had the tendency to restrict buying a little. Larger imports of oxalic acid have caused a slight decline in domestic acid but better buying will right the situation.

Imports of china clay and casein have been running large at the Port of Boston for several weeks. Some 600 bags of talc arrived at Boston from Italy last week. Part of this is to be shipped to New York.

A temporary receiver has been appointed for the Famous Piece Dyeing and Finishing Co. of Paterson, N. J. Liabilities \$70,000; assets \$50,000.

Viscoloid Co., Inc., Leominster, Mass., has sold to bankers an issue of \$1,500,000 7% preferred stock which soon will be offered to the public.

# Grasselli Dyestuff Corporation

has taken over the business formerly conducted by the Dyestuff Department of The Grasselli Chemical Co., and will also act as the sole American Distributors of the products manufactured by Farbenfabriken vorm. Friedr. Bayer & Co., of Leverkusen, Germany.



117 HUDSON STREET, NEW YORK

Boston Providence Philadelphia  
Chicago Charlotte San Francisco

## WORKS:

Rensselaer, N. Y.  
Grasselli, N. J.

Sole Selling Agents for  
Essex Aniline Works, Inc



### WALL ST. LIKES ALLIED CHEMICAL

#### Common Dividend Rate Not Likely to Be Increased Until Reserves Are Larger

Although the earnings of the Allied Chemical & Dye Corp. and the sound financial structure of the company would permit the directors to consider themselves well within the bounds of conservatism in raising the present common dividend rate to a \$5 or \$6 a share basis, we do not look for such action during the current year, says the "Wall Street News", replying to a question by a stockholder.

"The company is still in the process of co-ordination and many refinements of processes and supervision are being instituted looking toward the reduction of the company's overhead and until the management is satisfied with the operations of the present consolidation, we do not expect anything but continued accumulation of assets with a fair return to stockholders.

"Already, the reserves of the company are very extensive and the position of the Allied in the chemical industry as the leader is unquestioned but we are of the opinion that even further extensions are contemplated. However, at even prevailing market quotations, you are receiving a yield of well over 5%, which while not high in view of the return on some other industrial units of good standing is favorable in proportion to the risk involved in the commitment.

"For the long pull, we favor Allied as one of the foremost prospects listed on the Exchange for enhancement of value and while scouting tales of immediate dividend increases look for very favorable returns to the stockholders as soon as the directors feel satisfied that they have sufficiently protected the interest of the owners by

ample reserves and the development of processes to the highest point of efficiency."

"Although Allied Chemical & Dye Corp. suffered somewhat from the slowing up in general business in the early part of the year, this is not expected to have any material effect on the year's earnings as recent business has been good, particularly in the case of The Barrett Co., which is estimated to represent 30% of the total of the Allied business," says the "Wall Street Journal."

"For 1923 the company showed net income of \$19,148,471 after expenses, depreciation and federal taxes, equivalent, after preferred dividends, to \$7.53 a share earned on the outstanding 2,177,843 shares of no par common. It is expected that 1924 will show earnings of about the same amount.

"Allied Chemical Corp., although but three years old, has a strong balance sheet. On December 31, last, total current assets were more than 11 times the current liabilities and of the \$101,260,783 assets approximately \$50,496,611 was in cash and government bonds. This cash and government bond item was more than five times the current liabilities and funded debt combined.

"The Street expects that ultimately Allied Chemical will have some important and strong affiliations in Europe, which will go a long way to offset any competition in certain dyes and chemicals resulting from Germany getting on her economic feet."

British-American Nickel Corp., New York, has been placed into involuntary receivership, following an action taken against them by the National Trust Co., Toronto, involving \$6,000,000 first income bonds of the company. The Norwegian interests, who controlled the company, were unable to furnish further money to tide over.



#### VENETO BLACK B EXTRA (Pluto Black)

A direct cotton Black—FAST TO ACID—good to light, used for unions, mixed goods, etc. Suitable for grays.

#### ETHONIC FAST RUBINE R, 3G GW

Similar to pre-war Alizarine Rubinsols. These colors are recommended for dyeing piece goods and carpet yarn, where they give shades of good fastness to light.

#### AMIDINE GREEN M, GX, B SUPRA

These brands comprise a full line of Direct cotton greens suitable for unions, half silk and mixed fabrics; the strongest and most soluble greens on the market.

**JOHN CAMPBELL & CO.**  
75 Hudson Street, New York

American Dyestuff Manufacturers

Boston Chicago Providence Philadelphia  
Salisbury Montreal

"STANDARDS EVERYWHERE"

INDUSTRIAL CHEMICAL SECTION



# DAVISON CHEMICAL RUNS AMUCK AGAIN

Under the heading "More Old Tricks in Davison Chemical," the "New York Times" says:

"The stock of Davison Chemical is probably kicked more from pillar to post than any other issue listed on the New York Stock Exchange. Its fluctuations over a period of years make some of the old time speculative issues of the later part of the nineteenth century appear small in comparison with this favorite of the speculative element in the financial district of today.

"But when the stock gets going either upward or downward, a 'news story' suddenly appears in the financial district, either of a favorable or an unfavorable nature, depending upon the desires of those who are believed to be operating in the stock, either on the short or the long side.

"Wall Street has its suspicions as to the authors of these 'news' stories, most of which are denied after the stock has either a wide break or a sharp advance. Early yesterday morning (Aug. 7) Davison Chemical was selling at 57 3/4. About noon, however, another of the now famous Silica Gel stories appeared on one of the tickers, and the stock immediately broke more than 5 points. This story was denied from Baltimore, and the stock recovered part of its loss later in the day."

W. D. Huntington, vice-president of Davison Chemical Co., said: "An erroneous statement made by a financial news service Thursday regarding the plant built by the Davison Chemical for Vacuum Oil Co. is being investigated. Several complaints have been registered with the Business Conduct Committee of the Stock Exchange, and officers of Davison Chemical Co. have also started an investigation."

Columbian Carbon Co. reports for the quarter ended June 30 a net income of \$531,930 after charges, taxes, depreciation and depletion. This is equivalent to \$1.32 a share earned on the 402,131 shares of no par value stock outstanding and compares with a net income of \$696,061, or \$1.73 a share, in the preceding quarter and a net income of \$1,161,432, or \$2.88 a share, in the corresponding quarter last year. The surplus for the quarter, after the payment of dividends, was \$129,849, as compared with a surplus of \$759,301 for the same quarter in 1923.

Diamond Match Co. reports for the six months ended June 30, 1924, net income of \$898,525 after depreciation and federal taxes. This is equivalent to \$5.29 a share on the \$16,965,100 capital stock outstanding, and compares with net income of \$903,733, or \$5.33 a share, on the same amount of capital stock outstanding in the six months ended June 30, 1923. The gross earnings for the six months were \$2,030,839, compared with \$2,251,427 for the corresponding six months last year, and the surplus for the period was \$219,921, against \$225,128.

Texas Gulf Sulphur is being bullied by the same interests who have been associated with all of the important pool operations in that issue, says the "New York Sun." They are talking of much higher prices for the stock, the basis of which appears to be expectation that the shares will be placed on a regular 7 per cent dividend basis. At present it pays \$6 regular dividend a year and 25 cents additional extra dividend quarterly. Earnings are running close to \$8 a share annually.

Steel, textile, automobile and non-ferrous metal industries of the United States entered July with decreased employment, says the Federal Reserve Board's monthly review.

# STANDARD CHEMICAL REPORTS DEFICIT

(Special to DRUG & CHEMICAL MARKETS)

Toronto, Canada, Aug. 13.—The financial statement of Standard Chemical Co., Ltd., for the year ended March 31, showed profits of \$226,106, compared with \$292,110 for the preceding year. Deductions of \$191,854 reserve for depreciation and \$35,215 for debenture interest left a deficit for the year of \$4,962, compared with a net profit of \$42,626 for the previous year and a deficit of \$762,368 for the year ended March 31, 1922. A slight improvement is shown in the working capital position of the company which stands at \$1,159,746, compared with \$972,820 for the preceding year.

"During the whole 12 months the demand for wood products has not been very strong," says President David Gilmour. "Owing to competition in the charcoal market the price of this commodity was forced down with a resulting considerable difference in our year's revenue from that service. The withdrawal of formaldehyde from the safeguarding-of-industries list in England, where we do a considerable business, lost us the protection that we had been enjoying. By far the larger part of our export trade is with England, where competition continues to be intensive and is likely to be more so in view of the trend of legislation there."

# PENNSYLVANIA SALT'S GOOD RECORD

Pennsylvania Salt Manufacturing has not, as its present reduced price indicates, benefited by the upward trend of the general market, says the "Philadelphia Ledger." It is one of a very few stocks in the Philadelphia list possessing both merit and possibilities which have not improved their market positions in the current year.

Obviously the issue has been a laggard for no other reason than the lack of public interest. It is held to a large extent for investment. Being dealt in only at wide intervals it has not attracted the attention of speculative buyers.

The company ended its fiscal year June 30. Its volume of business may not have been as large as that in the preceding twelve months' period, but it is reasonably certain the dividend was earned with a fair margin to spare. The report will not be issued until Oct. 1.

In the 1922-23 year, the net profit was \$1,303,236, after all deductions, including federal tax. This was equal to 17.38 a share on the stock, on which the regular payment is 10 per cent or \$5 annual, the par value being \$50.

# KENNECOTT EARNING \$5.50 A SHARE

In view of the improvement in the copper trade and the substantial increase in earnings of the Kennecott Copper Corp. it is a foregone conclusion that the present \$3 a share a year dividend will be increased to \$4 a share or possibly \$5 a share within a comparatively short time, says the "Wall Street News."

During the first six months of 1924 Kennecott earned at the annual rate of approximately \$5.50 a share or \$2.50 a share in excess of its present dividend requirements, and in May it earned at the annual rate of about \$6 a share. Every one cent a pound advance in copper prices above 12c a pound means \$1 a share additional earned on the 3,989,818 shares of outstanding capital stock of the corporation, based on current production.

With copper now quoted above 13c a pound, and indications pointing toward further advances between now and the end of the year, it is fair to assume that Kennecott this year will earn at least \$7 a share on its outstanding stock. These earnings are after all expenses, interest charges, taxes, etc., but before depletion and depreciation deductions.

## QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Aug. 9

	Bid	Asked		Bid	Asked
*Air Reduction .....	79½	79¾	Hercules Powd., pf.102	103½	
*Allied Chem. & D., pf.116	76¼	76½	Heyden Chem. ....	2	2½
*Allied Ch. & D., pf.116	116½	116¾	Hooker Electro .....	10	12
*Am. Ag. Ch. pf. ....	13½	13¾	Hooker Electro, pf. 35	45	
*Am. Ag. Ch. pf. ....	37½	38½	*Household Products. 35½	35¾	
*Am. Chicle .....	21	22½	*Int. Agricult. ....	3½	1
*Am. Chicle, pf. ....	75	75½	*Int. Agricult., new. 5¼	6	
Am. Cyan. ....	100	102	*Int. Agricult., pf. ....	7½	9
Am. Cyan., pf. ....	74½	76½	*Int. Nickel .....	17½	17¾
*Am. Druggist S. ....	4½	5	*Int. Nickel pf. ....	87½	89
Am. Glue .....	34	35	*Int. Salt .....	70	
Am. Glue, pf. ....	101	104	*Mathieson Alk. ....	38	38½
*Am. Linseed .....	19½	20	*Mathieson Alk., pf. 92	..	
*Am. Linseed pf. ....	39¼	41	MacAnd. & Forbes.140	146	
*Am. Metal .....	44	45	MacAndrews &		
*Am. Zinc .....	8	9	Forbes, pf. ....	98	101
*Am. Zinc pf. ....	27	28¾	Merck & Co., pf. ....	64	67
Archer-Dan-Mid ....	17	21	Merrimac .....	81	85
Archer-Dan-Mid., pf. 82½	84	84	Mulford Co. ....	29	32
*Atlas Powder .....	49	50	*National Lead ....154½	155	
*Atlas Powd., pf. ....	86	90	*National Lead .....	116	119
By-Prod. Co. ....	35	40	N. J. Zinc .....	142	145
By-Prod. Co., pf. ....	100	103	Niag A., pf. ....	80	85
Canad. Ind. Al. ....	28	30	Parke, Davis & Co. .77	80	
Canad. Ind. Al. ....	95	100	Penn Salt .....	82	84
Caselin Co. ....	60	67	*Peoples Gas, Chi..100¾	101	
Celluloid Co. ....	55	60	Procter & Gamble.114	116	
Celluloid Co., pf.100	105	105	Procter & Gam., pf.107	100	
Charcoal Iron .....	35	50	Royal Bak. Po. ....138		
Ches. Mfg. ....	50	50½	Royal Bak. Po., pf.100	101	
Ches. Mfg., pf. ....	112	114	Shawinigan .....	4	6
Clark Co., Fred .....	2	3¼	Shawinigan H. ....130	132	
Cleve. Cliffs Iron. ....	65	65	Sherwin-Williams ..28	31	
*Corn'l Solv. A. ....	35	36½	*Sterling Prod. ....	61	62
*Do B. ....	48	50	Swan & Finch .....	50	52
*Corn Products .....	31½	32½	*Tenn. C. & Chem... 8¼	8½	
*Corn Products, pf.122	124	124	*Tex. Gulf, Sul. ....	73½	74
*Davison Chem. ....	53½	53¾	Union Carbide .....	88½	89
Dow Chem. non par. 52	54	54	*Un. Drug .....	81½	82½
Dow Ch., pf. ....	94	98	*Un. Drug 1st pf. ....	47¾	48½
Dow Drug Co. ....	130	175	*Un. Dyewood .....	40	
Dow Drug Co., pf.104	106		*Un. Dyewood, pf. ....	88	
*Du Pont de Nem.128¾	128¾		Un. Gas Imp. ....	75¼	76
*Du Pt de Nem Db. 80½	80		Un. Gas Imp., pf. ....	57	58
*Eastman Kodak .....	108	109	*S. Gypsum .....	87¼	88¾
*Eastman Kodak, pf.112¼	..		*U. S. Indus. Al. ....	72½	72¾
*Freepore Tex. ....	84½	9	*U. S. Indus. Al., pf.102	105	
*Gen'l Asphalt .....	41¾	43	*Va. Car. Ch. ....	1	1¼
*Gold Dust .....	40	41	*Va. Car. Ch., pf. ....	4½	5¼
Grasselli .....	120	125	*V. Vivaudou .....	5¼	6
Grasselli, pf. ....	102	104	Will & Baumer .....	12	15
Hercules Powder ....	90	95			

\*Listed on New York Stock Exchange  
Unlisted Stocks Through Courtesy Pynchon & Co.

FOREIGN EXCHANGE	Par	Current
Great Britain (pound sterling) .....	\$4.866	\$4.51
France (franc) .....	193	.055
Italy (lira) .....	193	.045
Germany (mark) per hundred .....	23.80	
Czechoslovakia (crown) per hundred .....	20.30	2.96
Poland (zloty) .....	193	.193
Japan (yen) .....	499	.413
Holland (florin) .....	402	.388
Spain (peseta) .....	193	.134
Belgium (franc) .....	193	.056
Switzerland (franc) .....	193	.189
Norway (krone) .....	268	.188
Sweden (krone) .....	268	.266
Denmark (krone) .....	268	.162
Argentina (peso) .....	424	.336
Brazil (milreis) .....	334	.102
India (rupee) .....	485	.321
China (Silver dollar-Hongkong) .....	789	.536
(Tael-Shanghai, silver) .....	1.086	.725
(Tael-Peking, silver) .....	1.156	.752

Despite renewed activity on the common stock of National Lead Co., President Cornish reiterates statements made at the annual meeting to the effect that no extra disbursements in the way of stock or cash dividends are contemplated by the directors of the company.

A judgment for \$2,045.29 against Associated Chemists' Brokerage Corp. has been filed in New York County by National Park Bank, New York.

United Drug Co. has declared a quarterly dividend of 87½c a share on the first preferred stock, payable Nov. 1 to holders of record Oct. 15.

## New Incorporations

Bates Chemical Co., Wilmington, Del., \$150,000. Chemicals and by-products. Corporation Trust Co. of America.

Helburn & Moran, Inc., Boston, \$50,000. Leather and hides. J. Walter Moran, Winchester; Frederick E. Moran, Melrose; Helen E. Durward, Woburn, Mass.

Luzerne Paper Corp., New York, 106 shares, no par value. To make paper products. M. B. O'Shaughnessy, H. A. McEntee, S. Brown. Representative, Leo Oppenheimer, 60 Wall Street, New York.

Renaud et Cie of America, Boston, \$500,000. Toilet articles. John H. Davis, Watertown, Mass.; Frederick C. Adams, Dorchester, Mass.; John F. Graves, Melrose, Mass.

Barton Torpedo Co., Tulsa, Okla., \$100,000. Explosives. R. P. Barton, H. D. Streator, J. D. Singley, 2701 East Ninth Street, Tulsa.

Everlast Heel and Rubber Corp., Dover, Del., \$200,000. Representative, U. S. Corporation Co., Dover.

Coll-Iodine Laboratories, New York, 200 shares common stock, no par value. W. L. Bryant, G. Petts, A. Maguire. Attorneys, Williamson and Bayles, 115 Broadway.

Globe Chemical Co., New York, 250 shares preferred stock, \$100 each; 1,000 shares common, no par value. H. W. Paprocki, F. W. Butcher, F. C. Taylor. Attorney, F. J. Knorr, Albany.

Imperial Match Corp., New York, \$50,000. S. L. Goodman, C. Barban, A. A. Giden. Attorneys, Giden and Giden, 1133 Broadway, New York.

Maimon Drug & Chemical Corp., New York, 50,000 shares preferred stock, \$10 each; 10,000 common, \$10 each; active capital, \$1,500,000. A. J. Jones, M. Gazza, A. Peters.

Zabetol Chemical Corp., New York, \$10,000. B. Fleisiz, N. Matis, S. Miller. Attorneys, Cohen, Rosenthal & Altman, 132 West Forty-second Street.

Neuhaus-Kouch Chemical Corp., Buffalo, N. Y., \$10,000. R. Neuhaus, B. Kouch, C. M. Peabody. Attorneys, Shire & Jelinek, Buffalo.

Radio Pictures Corp., Wilmington, Del., \$1,000,000. Corporation Service Co.

Loxa Distributing Co., Inc., Wilmington, Del., \$100,000. To manufacture chemicals.

Southern Arsenic and Mineral Producing Products Co., Wilmington, Del., \$5,300,000.

Enders Laboratories, Inc., Wilmington, Del., \$100,000. Toilet preparations. Frank Jackson, Dover, Del.

Lazote, Inc., Wilmington, Del., \$5,000,000. To manufacture chemicals. C. M. Spargo, Wilmington, Del.

Gillham Antimony Corp., Wilmington, Del., \$500,000. Mining. George W. Lilly, Wilmington.

Spink Lacquer Finishing Co., Dover, Del., \$325,000. U. S. Corporation Co.

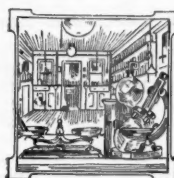
## RECOMMENDS MATHIESON STOCK AT 40

Stating that the Mathieson Alkali Works common stock looks like a good purchase at \$40 per share, the "Magazine of Wall Street" estimates the book value of the stock at \$79 per share. A recent comment stated in part: "Through the adoption of a decidedly conservative dividend policy the company has greatly improved physical properties and increased working capital without recourse to new financing. In the past ten years, 4 millions of surplus earnings were plowed back into the property, equivalent to \$35 a share on the common stock. At the close of 1923 the company was in the best financial condition in its history. Current assets were 2.3 millions as compared with current liabilities of \$600,000, giving a working capital of 1.7 millions.

"Capitalization consists of 2.8 millions 7% preferred stock and 117,714 shares of common stock of a par value of \$50. There is no funded debt. Although good will and patents undoubtedly represent real values, this item no longer appears in the balance sheet of the company which shows a book value for the common stock of \$79 a share.

"By withholding dividends on the common stock for five years Mathieson Alkali is now on a firm foundation and as soon as earnings improve common shareholders can expect to receive consideration. In view of the earning power already demonstrated and the possibilities of the new processes, the common stock at present levels of 40 has considerable to recommend it as a speculation."





# Drug & Fine Chemical SECTION



## New German Pharmaceutical Products

### *Names and Description of Medicinals Brought Out in Germany Since 1922 Show Disease Trend*

(PART II)

*The second section of the names and descriptions of pharmaceutical products brought out in Germany during the past two years, completes the list which was recently compiled by the Chemical Division, Department of Commerce. The first half of the list was published in last week's issue of DRUG & CHEMICAL MARKETS. The types of products developed show the prevalence of tuberculosis, nervousness, venereal diseases.—THE EDITORS.*

**Andriol Preparations**—Are respectively an iodine-bismuth compound and an iodine-uranium compound. The iodine-bismuth compound contains bismuth in water-soluble form. The uranium preparation is apparently calculated to produce a uranium effect as such as well as a combined emanations effect. Furthermore, mention is made of andriol bismuth salve and uranium salve. An andriol bismuth is produced, as well as an andriol bismuth powder and suppositories. Favorable results with these preparations have been reported by Sawinik and Truttwin, in "Med. Klin." 1923, No. 9, by G. Scherfer, in "Wien. med. Wochenschrift," 1923, No. 14, and H. Lamprech, in "Dermatologkongr.," Munich, 1923. They are used for the treatment of different skin diseases, especially eczema, psoriasis, lupus, ulcer cruris, and gonorrhea.

**Antifekt**—Contains thymol, tribromo-betanaphthol, and neutral soap binder. Its producers recommend it as a prophylactic against gonorrhea and syphilis.

**Apochin**—Given in S. R. 131 as apochin, is a compound of acetyl salicylic acid and quinine, with alleged antispasmodic effect in cases of dysmenorrhea and menorrhagia. It is given from one to three times daily in doses of 0.5 in tablets or oblates.

**Argaldon**—Is a compound of silver albumen with hexamethylentetramin, dosed in tablet form, and recommended by its promoters as a gargle in cases of angina tonsil. One tablet is dissolved in a glass of water.

**Artesin**, (Phenyl-cinchonic-ylantranil-acid)—Is represented as a remedy for gout, dosed in 0.3 tablets to be taken in water three to four times daily.

**Aspiphenin**—Is a combination of aspirin and phenacetin, which, on account of its own potent effect, offers the advantage of attaining the same therapeutic effect with a less dose of aspirin, i.e. instead of 0.5 a dose of 0.3 is sufficient.

**Aspirin Snuffing Powder**—Contains along with aspirin a slight addition of *Ol. menthae pip.* It is represented as of agreeable effect in cases of starting colds as a result of its capability of limiting secretion and of its antiseptic quality; it is also said to be capable of reducing the swelling in catarrhal infections. As its name indicates, it is taken as a pinch of snuff.

**Atophany**—Consists of a solution of the sodium salt

of atophanyl and salicylic acid. This preparation is for treatment of gout (arthritis deformans), and rheumatic joint and muscular afflictions, and denotes progress in this treatment because a small dose is capable of showing a good permanent effect. It should be taken intravenously, or intramuscularly. The content of an ampule is injected up three times a day. Atophanyl is packed in cartons of five ampules, each containing 0.5 sodium atophan and 0.5 natrium salicylicum.

**Bismogenol**—Is a double compound of bismuth, capable of more convenient handling and with better effect than the other usual syphilis remedies. A dose of one cubic centimeter intramuscularly. Accompanying effects are often enough bismuth coma, headache, urticaria, and kidney troubles.

**Bisupen-Heyden**—Is an oil suspension of bismuth sub salicylate with a content of 6 per cent bismuth. It is said to be useful, like the above, in treatment of syphilis. Single doses are 0.5 to one cubic centimeter intramuscularly. Three to four day pauses should be observed in treatment. One cubic centimeter of Bisupen contains 0.06 Bi. Packing is in 12 cubic centimeter bottles.

**Bolusal**, (Bolus-Aluminum hydroxide-bismuth-cal-cium)—An absorbent intestinal disinfectant acid neutralizer. This remedy is taken before meals in one or two teaspoons full of water or tea.

**Buccoosperin**—Is an antigonorrheal agent, urea and bladder antiseptic, known for a long time, but which has recently come into commerce in tablets, instead of as a liquid, or in gelatine capsules, as previously. The tablets no longer contain any copaiba-balsam. The chief ingredients are extr. bucco, *Ol. Menthae*, acetyl salicylic acid, salol and hexamethylentetramin. They are taken twice an hour after eating.

**Calciphysin**—Contains a 10 per cent calcium chloride solution and a mixture of hypophyphen and test extract, and has shown to have had a good effect in 47 cases of hypermenorrhea in the Women's Clinic of the University of Berlin.

**Carbolobusal**—Is an intestinal disinfectant in cases of intestinal catarrh, ulcer ventriculi, dysentery, etc. One to two teaspoons full are to be taken in water or tea three times daily about one half hour before meals.

They are also on the market in the form of 2-4 carbobolus tablets.

**Casbis**—Is a new bismuth preparation for the treatment of syphilis.

**Chloramin**—Was recommended in one-fourth to one-half of one per cent solution for disinfection of the hands in connection with the handling of bandages or spraying wounds. It is said to be also useful for disinfecting the tubercular discharge. See also sputamin.

**Curral**—Is a new hypnotic and sedative composed of dialylbarbituric acid. While favorable comment has been made of this preparation in the medical press, it is also said that it has shown unsatisfactory accompanying effects such as fatigue, dizziness, and convulsions in arms and legs.

**Cyclotropin** (a uretropin-salicyl-caffeine preparation)—Is a clear yellowish liquid containing per five cubic centimeter 2 g. urotropin, 0.8 g. natrium salicylic and 0.2 g. caffeine natriosalicylicum. It is to be used in cases of pyelitis, cystitis, infectious processes in connection with gall by intravenous injection of five cubic centimeters every second day until the urine remains clear with acid reaction. Packing is in cardboard boxes containing five ampules of five cubic centimeter each.

**Dicodid**—Is a codein preparation with morphine effect and is further credited with good effect as a reliable pacifier in cases of pain and coughing, instead of morphine or codeine. It possesses, as previously reported, certain advantage over morphine. Dosing can be begun with one half a tablet increasing to two tablets per dose, taken on the average from two to three times daily.

**Epithelan**—Is represented as being a completely sterile salve made of chemically pure carbons and vaseline (petroleum jelly), and capable of being used for treatment of decubitus, ulcus cruris, eczema.

**Eucalyptosan**—Is an emulsion of eucalyptus oil with caseosan, entering commerce in two strengths. One strength is a 25 per cent eucalyptus oil and another strength with the double content of eucalyptus oil. It is useful against chronic bronchitis and putrid processes of the lungs. A dose is 0.2 to 0.8 cubic centimeter by intravenous injection. Packing is in boxes of three ampules to one cubic centimeter each.

**Galadin**—Is a new percutan anti-rheumatic, being a condensed form of antipyrin and phenylmethane in a 30 per cent alcoholic solution. It is taken from three to four times daily by rubbing it into the pained joints.

**Goluthan**—Is a salve containing chloride of mercury for use as a sexual prophylactic.

**Hyperbin**—Is a drug made of domestic raw material, represented to be useful in tablet form as a substitute for hydrastin and secale.

**Hypotonin**—An amin compound of isovalerianic acid, attempting to make the amine effect useful for therapy. Hypotonin works reversely to adrenalin. This preparation may be considered as a precautionary measure against early arteriosclerosis. It can be applied as a powder, capsule, or tablet.

**Insulin**—Is taking an extremely important place among new therapeutic remedies. This is a preparation against diabetes. The effect of treatment by insulin has been so favorably recognized that its discoverers, the Canadian physicians, Drs. Banting and Macleod, in Toronto have been given the Nobel prize.

**Jobramag**—Is an iodine preparation in tablet form, each tablet containing 0.01 iodine and 0.25 bromine. It is represented as of favorable effect in cases of morbus Basedowii, struma, etc.

**Junijot**—Spiritous extract from *Retmispera plumosa*, is used for disinfecting the hands, and said to be a fitting substitute for tincture of iodine.

**Kresival**—A watersoluble calcium salt of the sulfonic

acid of cresol, is furthermore given as effective in treatment of coughing.

**Kupferdermasan**—Is a salicylic copper soap preparation with 2 per cent Cu. and said to be useful for the treatment of lupus vulgaris. In salve form it is used in treatment of torpid wounds, ulcus cruris, etc.

**Livonal**—Is the name of a new antidysmenorrhea, 20 drops being taken in a teaspoonful of water three times daily after meals. Packing is in bottles of 15 g. content.

**Millektrol**—Is a sodium hydrocarbon compound, applicable in stopping blood flow.

**Mucidan Preparations**—Contain the salts of Rhodan. They include the tablets, for internal use, for treatment of catarrh of the air passages, tincture for the preparation of mouth waters and gargles and as inhaling solutions for inhalation and nasal sprays. The last contain also oils of ether and formaldehyde.

**Nadisan**—Is a bismuth methyl tartrate 10 per cent, suspended in purest olive oil, and is applied intramuscularly in one cubic centimeter doses for treatment of syphilis.

**Nervagenin**—Long known as a combination of diethyl barbiturate of sodium with a baldrian preparation, has showed itself of use in treatment of sea-sickness.

**Normacol**—Is a purgative containing an insoluble plant mucus from the Bassorin chain along with a small quantity of *Rhamnus frangula*.

**Petralon**—Is a derivative of wood tar, useful as a strong antiseptic.

**Sozonin**—Is a wound-strewing powder, containing natr. sozojodal 0.5 and talcum ad 5.0.

**Spirobromol**—Is a new bismuth preparation for treatment of syphilis, and containing a combination of the tartrate of sodium-potassium-bismuth and bismuth-quinine-iodine suspended in oil of 0.07 Bi and 0.05 Iodine in a two cubic centimeter injection liquid.

**Sputamin**—Is a yellow, powdered mass, containing 80 per cent chloramin and is soluble in water. The solution permanently reacts neutral and is suitable for sputum disinfection.

**Strophantofix tablets**—Contain five drops of strophanthi.

**Styptural**—Is a blood stilling agent as a substitute for secale and hydrastis preparations.

**Sufragel**—Is a preparation suitable for intra-muscular injection in sulphur therapy. An injection is from 0.5 to 1.0 cubic centimeter of the 1 per cent solution in cases of chronic arthritis, ischias and pleuritic exsudates.

**Targesin**—Is an anti-gonorrheal agent with about 6 per cent silver content. The solution is weakly acid and does not react on albumen and salt. 0.75-1.0-1.5 and 2 per cent solutions are injected into the urethra.

**Taumagen**—Is claimed to be a surprisingly effective agent in the treatment of asthma. It is said of it that it has effected improvements and cures where other remedies have failed. It contains among other things two important antiasthmatics, i.e. iodine and arsenic.

**Thiopinol**—Is represented as capable in treating parasitic and bacteriological afflictions, such as scabies.

**Tonophosan**—Is a new phosphorus preparation, in which phosphorus is combined directly with carbon represented as effective in treatment of rachitis, osteomalacie, morb. Basedowii. It is said to be nonpoisonous, easy to dose and of convenient application.

**Vermitacet**—Is an agent conveniently taken by children, against worms.

**Voluntal**—Is a sleep-inducing and soothing agent, which continues to elicit favorable comment.

**Wismolen**—Is a bismuth preparation for treatment of syphilis, instead of iodine or mercury cures.

**GERMANY MAKING SYNTHETIC ALCOHOL**

The "Leunawerke" air fixation plant of the Badische Anilin und Soda Fabrik, at Merseburg, recently began the manufacture on a commercial scale of synthetic methyl alcohol derived from the union of carbon monoxide and hydrogen gases in the presence of a catalyst at relatively high pressure and temperature. The final product is a pure methyl alcohol, capable of being manufactured in any desired quantity, when necessary extensions are made and equipment installed, thus promising to emancipate Germany permanently from foreign imports on which she was more or less dependent before the war, and particularly in post-war years. The rate of production is 400 to 500 tons per annum, writes Trade Commissioner William T. Daugherty, Berlin.

The extent to which Germany has been importing wood alcohol, crude, and pure, is shown in the following tables, taken from official foreign trade statistics (metric tons):

Imports Into Germany of Wood Alcohol, Crude			
From	1913	1922	1923
Austria-Hungary .....	5,274	....	....
Austria .....	....	201	61
Czechoslovakia .....	....	797	954
Rumania .....	....	2,433	1,014
Sweden .....	....	273	163
United States .....	5,071	457	643
Other countries .....	355	169	211
Totals .....	10,700	4,330	3,046

**MEDICINAL EXPORTS SHOW GAINS**

(Special to Drug & Chemical Markets)

Washington, D. C., Aug. 13.—In a report on exports of chemicals for the first six months of 1924, the Chemical Division of the Bureau of Foreign and Domestic Commerce says that the closely related products of the fine chemical section (crude drugs, medicinal and pharmaceutical preparations, essential oils, and perfumery and cosmetics, total values of which, however, form but a relatively small percentage of the total) gained steadily, showing a favorable balance for the six-months period.

Exports of medicinal and pharmaceutical preparations advanced 3 per cent. Slightly more quinine sulfate found its way to foreign countries this year than last. American antitoxines, serums, and vaccines were in great demand and during the first half of the current year recorded an excess of over 285 per cent over the corresponding period of 1923, \$573,732 worth having been exported.

On the other hand less amounts of medicinal and pharmaceutical preparations (which class is largely comprised of proprietary medicines) left this country for foreign countries, the total amount for 1924 being \$7,837,701 (5,566,487 pounds). However, an increased activity in foreign requirements for crude drugs was evident during this period when one-third more was sent out, the total having reached \$1,692,856 (2,698,903 pounds) of which amount 64 per cent was made up of ginseng.

**CALLS CONFERENCE ON ALCOHOL RULING**

(Special to Drug & Chemical Markets)

Washington, D. C., Aug. 13.—Commissioner of Internal Revenue Blair has asked the Alcohol Trades Advisory Committee to a conference in connection with the alcohol stipulation. While no date for the conference has been fixed it is believed it will be held about the 14th of August if members are back from vacation at that time.

**CHEMISTS TO DISCUSS INDUSTRIAL**

WASTES AT ITHACA MEETING, SEPT. 8-13

Explosives, Research Work, Coal Storage and the Relation of Chemistry to Civilization Among the Topics Scheduled—New Baker Laboratory at Cornell to be Inspected

More than 1,000 delegates will attend the Fall meeting of the American Chemical Society at Cornell University, Ithaca, N. Y., Sept. 8 to 13, to discuss the world's progress in chemistry. Hundreds of papers describing advances during the post-war period will be read. England will send Sir Robert Robertson, president of the Faraday Society, and Sir Max Muspratt, one of the leading industrial chemists of Great Britain. A group from the Continent will include Prof. S. P. L. Sorenson of Copenhagen. Others of the foreign contingent will include chemists and physicists of the British Empire who gather at Toronto in August to participate in the ninety-second annual meeting of the British Association for the Advancement of Science.

"Chemistry and Civilization" will be the topic of Sir Max Muspratt, vice-president of the Society of Chemical Industry and representative of the Association of British Chemical Manufacturers on the Committee in Charge of the Chemical Section of the Wembley exhibits.

Sir Robert Robertson, authority on explosives and long in the service of the British Government, notably at Woolwich Arsenal, will describe the nature and use of T. N. T., his formal topic being "The Chemistry of the Trinitrotoluenes." Prof. Sorensen's topic is announced as "Serum Globulins."

The general meeting at which the foreign chemists will speak will be held on Tuesday, Sept. 9, at 9.30 a.m. in Bailey Hall, Dr. Livingston Farrand, president of Cornell University, presiding. A response to addresses of welcome will be made by Dr. Leo Hendrik Baekeland of New York, president of the American Chemical Society and professor of chemical engineering in Columbia University. On the afternoon of this day the visiting chemists will inspect the Baker Laboratory, the gift of George F. Baker of New York, under the direction of Dr. L. M. Dennis, head of the Cornell Department of Chemistry.

Discussion of the nation's fuel supply will be one of the features of the meeting, according to Dr. Baekeland's announcement. Prof. S. W. Parr, of the University of Illinois, will lead round-table conferences on "The Storage of Coal and Spontaneous Combustion." Secretary Hoover's, The Division of Water, Sewage and Sanitation will hold a symposium on "Industrial Wastes and Their Relations to Potable Water Supplies." The Sugar and Cellulose Divisions will hold joint sessions. Among the speakers will be Prof. E. C. Baly of Liverpool, England.

**GERMAN PHARMACEUTICALS MISPELLED**

"As American agent for the manufacturers of some of the 'New German Pharmaceutical Products' listed by you on page 407 and 408 of the Aug. 6 issue of Drug & Chemical Markets, I wish to call your attention to the wrong spelling which you have given in some instances," writes A. W. Kretschmar, New York importer. "Alvenal should read 'Alvonol,' made by Kalle & Co., A.G., Biebrich a/Rh; Aspechin should read 'Apochin,' made by Privt. Labs. Dr. H. Goldschmidt; Omadin should read 'Omnadin,' made by Kalle & Co., Biebrich a/Rh; Premonta should read 'Promonta,' made by Promonta Ges., Hamburg."



## The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, page 492

### IMPORTED MENTHOL ADVANCES SHARPLY

**Buying Active on Damaged Crop News—Cod Liver Oil Higher—Bromides Active—Citric and Tartaric Acids Weak—Alcohol Firm and Active—Japanese Camphor Lower—Mercury Firmer—Glycerin Higher**

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Acetanilid, U.S.P., 3c lb.	Glycerin, C. P., 1/2c lb.	Acid, Tartaric, 1c lb.	Camphor, Japanese, 2c lb.
Cod Liver Oil, Norwegian, \$2.00 bbl.	Menthol, Japanese, \$1.25 lb.	Bromides, Imp., Ammonium, 1c lb.	Potassium Permanganate, Imp., 1/4c lb.
	Mercury, \$2.50 flask	Potassium, 1c lb.	
		Sodium, 3c lb.	

#### Trend of the Market

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre- War
Acetanilid .....	\$33	\$32	\$32	\$32	\$2.00	\$2.20
Acid Citric, Import .....	.46	.46	.46	.50 1/2	1.25	.45
Caffeine Alkaloid .....	3.50	3.50	3.50	3.65	18.00	3.65
Calomel, American .....	1.22	1.22	1.22	1.25	3.43	.90
Camphor, Jap., ref. ....	.68	.70	.71	.88	3.55	.41
Iodine, Resublimed .....	4.40	4.40	4.40	4.55	5.00	3.75
Menthol .....	12.00	10.75	10.50	9.65	13.50	3.00
Potassium Bromide, Cryst. ....	.38	.38	.38	.26	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.49	.90	.25
Sodium Salicylate .....	.40	.40	.40	.40	4.25	.27
Strychnine Sulfate .....	.41 1/2	.41 1/2	.41 1/2	.84	2.05	.50
<b>Average .....</b>	<b>2.22</b>	<b>2.11</b>	<b>2.10</b>	<b>2.07</b>	<b>5.92</b>	<b>1.56</b>

A noticeable firmness has developed in the fine and medicinal chemical market last week. A buying wave seems to have spread over the entire list with the exception of some of the minor imported items, which have not as yet recovered from the Spring slump. The result of running too close in consuming quarters has evidently been shown by the increased buying at this time. Inventories taken during the past month probably have shown that stocks were on the short side, and needed replenishing. Although imported chemicals are coming in better now, high prices asked during the past three months have not allowed large volume importation. Active buying of cod liver oil has caused an upward swing to prices, and some factors look for much higher figures in the near future. They argue that increased consumption will more than take care of this year's large catch. Refiners of glycerin state that, while buying is not any too active, stocks are closely held and are tending scarce. Menthol made a sensational advance over the week owing to better inquiry and further confirmation of damaged crops in Japan.

**Acetanilid**—Makers have advanced their price and now quote 33c@35c lb. spot for U.S.P. goods as to quantity. Demand active and present stocks reported low. Technical named at 26c@27c lb. as to quantity. Resellers have moved up to 33c@34c lb.

**Acid, Acetylsalicylic**—Makers still quote 75c@85c lb. spot as to quantity, and resellers name 72 1/2c@75c lb. Little interest manifested in the market at the moment.

**Acid, Benzoic**—U.S.P. quoted in steady demand at 75c@85c lb. spot, and second hands at 70c@74c lb.

**Acid, Citric**—Little business transacted at the moment in spite of the favorable weather conditions during the past week. Stocks in consuming quarters appear sufficient to take care of present demand. Imported quoted at 46c@47c lb. spot with replacements fully equal to these figures. Imports for the twelve months ending

June 30 were 798,759 pounds, valued at \$224,843, and for June alone imports were 97,440 pounds, valued at \$27,348. Domestic named at 46c@47c lb.

**Acid, Diethylbarbituric**—Market quiet with holders of imported material naming \$3.50@3.75 lb. spot, and domestic \$10.00@12.00 lb.

**Acid, Phosphoric**—In active demand at 16c@17c lb. spot for U.S.P. syrupy material.

**Acid, Salicylic**—Makers still quote 35c lb. spot, while resellers name 32c@33c lb. Demand small with tendency to accumulation of stocks.

**Acid, Tannic**—In small demand at 75c@80c lb. spot for U.S.P. goods.

**Acid, Tartaric**—Market is weak, although one factor does not see how price of imported material at 27c@27 1/2c lb. spot can go any lower, especially when based on replacements. Foreign makers do not seem anxious to sell in this market. Imports for the twelve months ending June 30 were 3,562,786 pounds, valued at \$782,964, and for June alone imports were 304,639 pounds, valued at \$74,855. Domestic makers are lower at 29c lb. spot.

**Adeps Lanae**—Market still quoted over wide range at 15c@21c lb. spot for hydrous, and 18c@23c lb. for anhydrous.

**Alcohol**—Makers report active demand and prices remain firm at recent advances. Quoted at 48 1/2c@50 1/2c gal. spot for No. 1 specially denatured material, and 46 1/2c@48 1/2c gal. for No. 6 completely denatured. The large consuming season appears to have started early.

**Alcohol, Butyl**—In active demand and if it keeps up, Sept. 1 will see practically no stocks on hand. Quoted at 30c@32c lb. works as to quantity.

**Amidopyrine**—In small demand at the moment with holders of imported material quoting \$4.35@4.50 lb. spot, and domestic at \$4.60 lb.

**Antipyrine**—Dull at \$2.05@2.10 lb. spot.

**Bay Rum**—Little business transacted at \$1.20@1.25 gal. for either St. Thomas or Porto Rican material.

**Bromides**—Imported active in spite of lower prices, which are named as follows: Ammonium, 28c@30c lb. spot; potassium, 24c@26c lb.; and sodium, 30c@32c lb. Imports last week at New York were 100 cases sodium. Domestic named firm at 44c@45c lb. for ammonium; potassium, 38c@39c lb.; and sodium, 38c@39c lb.

**Caffeine**—In small demand at \$3.50@3.75 lb. spot from first hands, and \$3.40@3.45 lb. from resellers.

**Camphor**—Japanese has declined and now quoted at 68c@69c lb. spot for slabs, and 85c@86c lb. for tablets. Prompt shipment remains at 62c lb. c.i.f. New York, or about equal to spot values. One factor stated that weak holders are depressing the spot market. Domestic, 83c lb. in bulk.

**Castor Oil**—U.S.P. firm at 17c@18c lb. spot with possibilities of higher prices.

**Cod Liver Oil**—Norwegian has advanced and now quoted at \$23.00@23.50 bbl. spot as to brand with prompt shipment named at \$21.50 bbl. c.i.f. New York. Market is stronger, and further strength is expected as the Fall consuming season approaches. A number of consumers were looking for \$15 cod liver oil, but they

apparently have been compelled to enter the market and pay the higher prices.

**Cream Tartar**—Imported quoted easy at 20c@20½c lb. spot with possibilities of shading these figures on firm business. Imports during the six months ending July 30 have been 1,013,847 pounds, valued at \$108,654. Domestic named at 21¼c@21½c lb.

**Formaldehyde**—Makers firm at 9c lb. works in car lots, and 10c lb. in carboys. Better inquiry noted for the last two weeks.

**Fusel Oil**—Supplies appear to be ample, but holders are not inclined to part with them. Refined quoted at \$2.75@\$3.25 gal. spot, and crude at \$1.85@\$2.00 gal.

**Glycerin**—C. P. quoted higher at 18c@20½c lb. spot as to quantity. Supplies tending scarce. Dynamite firm at 17¼c@17½c lb. spot as to seller and quantity.

**Menthol**—The first of last week sales were made as low as \$11.75 lb. spot for Japanese, but toward the close of the week the market advanced to \$12.00@\$12.25 lb. as to quantity. Supplies scarce and practically nothing offered out of Japan at the moment. Hamburg and London quoted 48s per pound c.i.f. on Friday last. Considerable buying between dealers has been done, probably to take advantage of the firm position in Japan. One factor looks for \$16 menthol by Oct. 1. Domestic also higher at \$11.50@\$11.75 lb.

**Mercury**—Has advanced and now quoted at \$73.00@\$73.50 flask as to quantity owing to better inquiry and higher replacement costs. London names £13 5s per flask; Italy, £13 10s to £14 3s; and Spain, £14. Statistical position is still strong. One factor places it at 8,000 bottles short up to Oct. 1.

**Potassium Permanganate**—Imported lower at 13¼c@14c lb. spot with the possibility of doing 13½c lb. in large way. Domestic named at 14c@14½c lb. works as to quantity.

Simulating a competitor's packing and trade name is charged as unfair competition by the Federal Trade Commission in a complaint against Dr. C. H. Berry Chemical Co., St. Louis. The firm is a manufacturer of toilet preparations. According to the citation the respondent causes certain of its products to be packed in containers closely simulating in size and shape those used by the Ella R. Berry Pharmacal Co., a competing company.

The Association of British Chemical Manufacturers calculate that their outlay of more than £100,000 for the Wembley Exposition has been well justified. They claim that the idea that Britain comes second to any other country in chemical matters has been shown to be exploded, says a London letter.

The American Chamber of Commerce in France, 32 Rue Taitbout, Paris, has received an inquiry (F-2855) from a local company in the market for American-manufactured synthetic menthol.

Dean George B. Pegram, Columbia School of Mines, has returned from a trip to the chemical laboratories of leading colleges which he visited to obtain ideas for the new \$875,000 building to be erected at Columbia.

Offices of the "Package Medicine Journal," Chicago, have been moved to Washington, D. C., occupying a suite in the Bliss building, 35 to 39 B st., N.W.

B. R. Tunison of United States Industrial Alcohol Co., New York, has returned from a trip to the Coast.

# AMERICAN PEPPERMINT OIL HIGHER

**Advances Announced On Nux Vomica for Shipment, Cocoa Butter, Oil Lemon, Quicksilver and English Castor Oil—Emetine Salts Lower and Citric Acid Easier**

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Aug. 13.—Trading in drugs and chemicals is quiet. Advances are announced on nux vomica for shipment c.i.f. Cocoa butter sold higher at Amsterdam auctions. Oil lemon for shipment is higher and menthol on spot. English castor oil is higher. Prices are firmer for American peppermint oil, which is scarce, and quicksilver.

Quotations are easier for citric acid. Emetine salts are lower.

London, Aug. 2 (By Mail).—The public Drug Auctions were held this week after an interval of eight weeks. Only moderate supplies came under the hammer, the actual sales comprising agar agar, cardamoms, eucalyptus oil, ipecacuanha (Matto Grosso damaged), sennas (Tinnevely and Alexandrine), and beeswax (East Indian) which was firmer.

In the open market business is of a routine nature. Bromides have been in better demand and prices are again higher. Cod liver oil has a steadier appearance now that both the Northern and Southern fishing results are fully known and a very fair business is doing. Senega root, new crop, is available at the lower price of 3s 6d per lb. Chamomiles (Belgian) are again easing off and favorable crop reports point to the advisability of deferred purchases. The French crop on the other hand is reported as likely to be poor in quality and quantity. China rhubarb, high dried, both during and after the auctions, has been in good demand, and the price favors buyers. Salicylic acid is more freely offered and is weaker, although the other salicylates, including aspirin, are quite firmly held and tending upwards. Cream of tartar is in good consuming demand at 85s per cwt., being higher.

Dr. Wilbert J. Huff, who since 1920 has been in charge of the research division of Koppers Co. laboratories, Pittsburgh, has been appointed professor of gas engineering at Johns Hopkins University, Baltimore, and will report Sept. 1. Dr. Huff is an honor graduate of Yale, 1914, and took his doctor's degree at Yale in 1917 as Henry Bradford fellow. He saw war service as lieutenant in the chemical warfare section in command of the Princeton research detachment.

Dr. Ellwood Hendrick has been chosen by the trustees of Columbia University to head the Chandler Chemical Museum which comprises the raw and finished products of leading industries. Prof. Charles H. Chandler, now 88 years old, spent 50 years making the collection, which includes dyes, organic chemicals, tanning materials and alkaloids. Dr. Hendrick will write monographs on each product.

Italy by ministerial decree dated June 12, 1924, has reduced the sales tax on prepared medicines from 3 per cent to 20 centesimi for each 20 lire or fraction thereof up to 100 lire, and to 1 per cent on sales exceeding 100 lire.

A Washington, D. C., chapter of the American Institute of Chemists is to be formed. This announcement was made following a meeting of government chemists who are dissatisfied with the reclassification act.

## The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 514

### DAMIANA LEAVES IN KEEN COMPETITION

Now Quoted at 12c Pound on Spot—Curacao Aloes Higher—Cascara Sagrada Firm on Coast—Celery Seed Lower—Gentian Root Firmer—Insect Powder Lower—Ipecac Root Higher—Buchu Leaves Easy

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Aloes, Curacao, ½ lb.	Cascara Amarga, True, 60c lb.
Arrowroot, St. Vincent, 1½c lb.	Gentian Root, 1c lb.
Ipecac Root, Cartagena, 5c lb.	
Declined	
Aletris Root, 5c lb.	Celery Seed, ½c lb.
Arabic Gum, Am. Sorts, ½c lb.	Damiana Leaves, 1c lb.
Balsam, Canadian Fir, \$1.50 gal.	Deer Tongue Leaves, ½c lb.
Buchu Leaves, 1c lb.	Insect Powder, 4c lb.
Caraway Seed, Dutch, 1½c lb.	Quassia Chips, ½c lb.
Cascara Sagrada, 1924 Peel, 1c lb.	Senna, Pods, 1c lb.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Aconite Root, U.S.P. ....	\$ .39	\$ .39	\$ .39	\$ .50	\$ .50	\$ .12
Buchu Leaves, Short .....	.75	.76	.76	.90	4.00	.25
Cantharides, Russian .....	.90	.90	.90	1.25	9.00	2.10
Cocculus Indicus .....	.03	.03	.03	.03½	.85	.03
Ergot, Spanish .....	.30	.30	.30	.61	4.50	.54
Insect Powder, pure .....	.48	.52	.62	.55	1.00	.28
Ipecac, Cartagena, powd....	2.25	2.10	2.10	1.90	4.50	1.26
Nux vomica .....	.05	.05	.05	.06½	.14½	.07
Opium, gum .....	9.00	9.00	9.00	8.00	30.00	5.00
Rhubarb Root, H. D. ....	.29	.29	.30	.40	1.75	.15
Tragacanth, No. 1, ribbon..	1.20	1.20	1.20	1.48	6.00	1.80
Wild Cherry Bk., thin nat.	.08½	.08½	.09½	.10½	.21	.07
Average .....	1.32	1.31	1.32	1.35	5.28	1.00

A gradual firmness has developed in most primary markets, but prices on spot have not been in line with country ideas, and have, therefore, declined in a number of instances. However, with an absorption of the available supplies by strong hands, and with the commencing of the Fall consuming season, further weakness in the whole line is not likely to continue. Some first hand houses are now making large purchases at what they think rock-bottom prices, and they will undoubtedly hold on until a profit is shown, whether it takes one or three years. Of course, conditions may change in the meantime, and holders may be required to unload. But, with purchases made at the bottom, this is not likely to happen. Reports from the South state that crude drugs are coming into shipping centers in about normal quantities, and that all botanicals will be in good supply with few exceptions. When foreign crude drugs are depleted on spot, much higher prices will undoubtedly prevail owing to the advancing exchange rates and the continued high prices asked for shipment.

**Aconite**—Holders quote 39c@41c lb. spot for root, and 10c@12c lb. for leaves.

**Agar Agar**—Demand on spot is small at \$1.45@\$1.50 lb. for No. 1 material, and \$1.20 lb. for No. 3 goods. Little interest is shown in August shipment at \$1.14 lb. c.i.f. New York, for No. 1, and 97c lb. for No. 3 with the possibilities of shading these figures on firm business. Last week saw 35 bales entered at New York.

**Aletris Root**—In keen competition among holders. Lower at 43c@44c lb. spot.

**Aloes**—Curacao quoted higher owing to firm shipment figures and scarcity of spot goods at 10c@10½c lb.

spot, and Cape also firmer at 9c@9½c lb. Large consumers are regretting not having covered when market was quoted at 7½c lb. ex-dock for Curacao goods.

**Anise Seed**—Spanish quoted steady at 14c@14½c lb. spot, and Star named at 11½c@12c lb. August shipment of former is named at 13½c lb. c.i.f. New York.

**Arabic Gum**—Amber sorts quoted lower at 11½c@12c lb. spot as to seller and quantity with shipment fully equal to the inside figure. This item is usually a money loser to the large importer, since it is nearly always possible to buy goods on spot equal to or below shipment prices.

**Arrowroot**—St. Vincent has advanced and now quoted at 15c@16c lb. spot as to seller. Limited quantities, however, are available at 14c lb.

**Balsams**—Canadian Fir has declined and now quoted at \$11.00@\$11.50 gal. spot as to quantity owing to easier shipment figures from the country. Oregon Fir easy at \$1.10@\$1.20 gal. For other balsams, see the Essential Oil Market.

**Blackhaw Bark**—Root quoted steady at 35c@36c lb. spot, and tree at 16c@18c lb.

**Blueflag Root**—In small supply at 30c@32c lb. spot.

**Buchu Leaves**—Have declined slightly and now quoted at 75c@77c lb. spot in bales as to seller, and 81c@83c lb. for less.

**Buckthorn Bark**—Quoted lower at 5c@5½c lb. spot. Reports are heard that sales were made last week at 4½c lb. in a big way.

**Cannabis**—True imported material closely held at \$5.75@\$6.00 lb. spot as to quantity. U.S.P. American named at 70c@85c lb.

**Caraway Seed**—Dutch lower at 12½c@13c lb. spot as to quantity, and Aug.-Sept. shipment named at 9½c@10½c lb. c.i.f. New York. African, 12c@12½c lb.

**Cascara Amarga**—True has advanced and now quoted at \$2.00@\$2.25 lb. spot as to quantity. So-called named at 25c@30c lb.

**Cascara Sagrada**—The Coast has firmed up to 12c lb. f.a.s. owing to the closing out of the weak holders. The present holders are not willing to sell at a loss, and are, therefore, keeping the bark until next year. Buyers are pretty well covered for this year's requirements, according to reports from reliable sources. Actual average cost to the dealers is said to be as high as 12c lb., and the carry-over for this year figures around 500 tons. Spot 1924 bark is lower at 15c@16c lb., and 1920-22 peel at 22c@24c lb.

**Celery Seed**—Market slightly easier at 31½c@32c lb. spot as to quantity.

**Chamomile Flowers**—Roman quoted easy at 50c@55c lb. spot, and Hungarian 7c@7½c lb.

**Cloves**—Zanzibars quoted easy at 28½c@29c lb. spot, although foreign exchange is advancing.

**Colocynth**—Pulp lower at 25c@28c lb. spot, and apples quoted off the market.

**Damar Gum**—In small demand at 24c@25c lb. spot.

**Damiana Leaves**—Have declined and now quoted at 12c@13c lb. spot as to seller and quantity owing to keen competition for the available business.

**Dandelion Root**—In small supply at 40c@45c lb. spot.



**Deer Tongue Leaves**—Lower at 11c@12c lb. spot owing to small demand.

**Elm Bark**—Select quoted firm at 25c@26c lb. spot as to seller, and grinding at 16c@18c lb.

**Ergot**—Market firm at 30c@32c lb. spot. Reports were heard last week that three tons were disposed of inside of two days. Spot stocks are becoming reduced.

**Foenugreek Seed**—Quoted higher at 6c@6½c lb. spot.

**Gentian Root**—Generally quoted at 9c@9½c lb. spot as to quantity with a few houses naming 8½c lb. for limited quantities.

**Insect Powder**—Market has eased off sharply and now quoted at 48c@52c lb. spot as to seller in spite of higher shipment prices, which are named at 35½c lb. c.i.f. for Aug.-Sept. shipment of flowers. Some factors on spot think that the advance in the primary market is not warranted, and the price will eventually seek lower levels.

**Ipecac Root**—Cartagena higher at \$2.00@\$2.10 lb. spot for whole, and \$2.25@\$2.35 lb. for powdered material. Rio also firm at \$2.00@\$2.10 lb. for whole, and \$2.25@\$2.35 lb. for powdered.

**Opium**—Has advanced and now quoted at \$11.00 lb. spot for gum and \$12.00 lb. for granulated and powdered owing to bullish news from primary market. The derivatives, however, have not as yet been advanced.

**Quassia Chips**—Easier at 7c@7½c lb. spot.

**Senega Root**—Supplies ample for present needs at 55c@57c lb. spot with possibilities of easier figures owing to weakness in the country.

**Senna**—Pods slightly easier at 17c@19c lb. spot as to seller.

**Wild Cherry Barks**—Market is easy, although prices are unchanged as follows: Thin green rossed, 11c@12c lb. spot; thin natural, 8½c@9½c lb.; and thick natural, 6c@7c lb.

Caraway seed crop for 1924 is estimated at 220,000 to 250,000 bags, based on an acreage of 8,840 hectares of 25 bags per hectare, according to Messrs "Oranje," Amsterdam, who say: "The output of last year's crop from 4,076 hectares was 80,000 bags or about 20 bags per hectare. The average yield of the crops of the last 29 years, i.e., 1894-1922, is 23.80 bags per hectare. The highest yield in 1901 was 30.1 bags per hectare, and the lowest was 18.4 per hectare in 1894."

Prohibition Commissioner Haynes reports 41,000 criminal cases involving violation of the National Prohibition Act instituted and 35,000 convictions obtained in the first ten months of the fiscal year just ended. Fines for the ten months totaled \$7,000,000, an increase of nearly \$2,000,000 over the entire previous year, and jail sentences imposed aggregated 3,148 years, as compared with 2,003 years in the whole preceding year.

The building at 91 to 97 Fulton st., New York, occupied by McKesson & Robbins, pharmaceutical manufacturers, has been leased to Elias A. Cohen for Herbert D. Robbins, executor of the estate of Matilda T. Robbins, for 21 years, an option of 21 years more, and privilege of buying. The rental for the first 21 years is \$600,000. McKesson & Robbins will continue to occupy the property.

The Opium Commission of the League of Nations is in session at Geneva, Switzerland, preparing a program for the International Conference in November. Edwin Neville represents the United States.

## DRUGGISTS SYNDICATE EARNS \$83,898

American Druggists Syndicate and subsidiaries report for six months ended June 30, operating profit of \$83,898 compared with loss of \$38,341 in first half of 1923. Consolidated balance sheet of American Druggists Syndicate, as of June 30, compares as follows:

ASSETS		
	1924	1923
*Real estate, equip., etc.....	\$2,606,006	\$2,056,735
For. tr-names, goodwill.....	542,982	564,528
Investments .....	408,014	875,347
Inventories .....	1,417,486	1,387,814
Advances .....	35,465	708,218
Accept & Accts. rec.....	986,115	599,459
Government bonds, etc.....	599,459	599,459
Cash .....	465,463	765,385
Deferred charges .....	166,389	32,694
Deficit .....		224,751
Total .....	\$7,225,370	\$6,904,926
LIABILITIES		
Capital stock .....	**\$6,783,900	\$6,783,350
Sub stock not held by company.....	11,130	11,480
Stock subscriptions .....		5,734
Accounts payable .....	77,681	85,050
Unclaimed dividends .....		19,312
Surplus .....	352,379	
Total .....	\$7,225,370	\$6,904,926

\*After depreciation.

\*\*Represented by 678,393 shares par \$10.

## RHUBARB ACTIVE IN DRUG SALES

At the London drug auction held July 24, demand was extremely dull, although some activity was noted in rhubarb. Ipecac root sold cheaply and Jamaica sarsaparilla root was steady for the lower qualities, but good red material failed to sell. The following table shows a few of the offerings and sales:

	Offered	Sold
Cardamoms (cs) .....	415	20
Eucalyptus oil (cs) .....	42	32
Ipecac Root, Matto Grosso (kg) ..	54	10
Rhubarb (bl) .....	114	26
Sarsaparilla, Jamaica (bl) .....	33	14
Senna, T.V. (bl) .....	346	22
Turmeric (bg) .....	139	20

The American Spice Trade Association announces that an appeal taken by the Vulcan Foreign Commerce Corporation, of 59 Pearl st., New York, against a recent decision of the Supreme Court, New York County, which declined to restrain an arbitration by the association, has been denied by Justice William P. Burr. In accordance with the previous decision of the court, the arbitrators rendered an award and the Vulcan concern sought to have this award vacated and set aside. Justice Burr denied this motion, stating in his decision: "The arbitration proceeded in an orderly manner and the award made was not procured by fraud, corruption or undue means. No facts are shown which would justify the court in setting aside such award."

E. M. Javitz & Son, New York, say of the position of Arabic gum: "The rainy season, especially in the Kordofan Province, is now in its full swing. This means that, although some arrivals still continue to enter the El-Obeid and El-Nahud markets, orders from abroad hereafter have to be met from stocks here ex April-May-June arrivals, in view of the fact the gum at present entering the Kordofan market cannot fairly be given out against contracts for cleaned amber sorts. In fact, present quality of gum is distinctly mixed with rain-damaged, dirty, caked and broken pieces."

The building owned by the Chemists Building Co. and in which the Chemists Club is located, 50 to 54 East 41st st., which was slightly damaged by fire on Friday, Aug. 8, was insured for \$595,000.

## The Essential Oil Market

Current Spot Quotations of Essential Oils, 521, Aromatic Chemicals, 518

### OIL LEMON TENDING FIRMER ON SPOT

Price Unchanged, However—Oil Peppermint Advances Again—Oil Bay Firmer—Oil Citronella, Ceylon, Easy—Oil Cloves Firm—Oils Geranium and Lavender High For Shipment—Oil Wormseed Easy

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Oil Bay, 10c lb.      Oil Cassia, Redistilled, 10c lb.  
Oil Peppermint, Natural, 15c lb.

Advanced  
Declined  
No Declines

	Trend of the Market					War Peak	Pre War
	Today	Last Week	Last Month	Last Year			
Oil Bergamot .....	\$3.50	\$3.50	\$3.50	\$2.65	\$7.00	\$5.00	
Oil Citronella, Ceylon .....	.78	.80	.80	.71	.92	.60	
Oil Cloves .....	2.10	2.00	1.75	2.20	3.70	1.40	
Oil Lemon, Italian .....	.75	.80	.80	.75	1.70	2.00	
Oil Peppermint, Nat. ....	4.25	4.10	4.00	2.60	9.00	2.25	
Oil Sandalwood, E. I. ....	6.20	6.20	6.20	7.65	13.00	5.25	
Oil Sassafras, Artif. ....	.35	.35	.35	.45	1.00	.25	
Benzaldehyde, U.S.P. ....	1.50	1.50	1.50	1.50	5.15	1.50	
Coumarin .....	3.25	3.25	3.40	4.60	31.00	3.10	
Methyl Salicylate, Cana. ....	.47	.47	.47	.47	1.00	.90	
Vanillin .....	.49½	.49½	.49½	.40	.95	.20	
Average .....	2.13	2.11	2.11	2.17	6.83	2.05	

While business from consuming quarters has been somewhat limited during the past week, dealers have been buying from each other in order to replenish their stocks, which are becoming low in a number of products. With high prices asked from abroad, excepting oil caraway, and with the advancing exchange market, nothing below present spot prices can be seen by New York importers for immediate or future shipment. Of course if importers here do not necessarily need the goods, they can naturally hold off buying and eventually bring the imported price down considerably. When Bourbon geranium is selling at \$8.00 a pound, the importer usually takes less than if the price were around \$4.00 pound. At the former price an importer can lose a lot of money, but at the lower figure he is willing to take a chance. First offer of new crop oil peppermint has been made at \$4.00 pound f.o.b. Michigan. Oil cedar wood is firm both on spot and in country.

#### Essential Oils

**Oil Almond**—Little business reported with holders quoting \$3.25@3.50 lb. spot for bitter, and \$3.25@3.50 lb. for f.p.a. goods.

**Oil Amber**—Rectified in small demand at the moment at 90c@95c lb. spot, and 70c@75c lb. for crude material.

**Oil Anise**—While shipment prices are holding firm, spot sellers will undoubtedly sell below 50c@52c lb. spot for U.S.P. goods, and 45c@50c lb. for technical material. The large buying wave over the past three months appears to have subsided.

**Oil Bay**—Has advanced and now quoted at \$2.30@2.65 lb. spot as to seller and quality. Some material is obtainable at \$2.15 lb. spot, but this is not in original containers. This specific seller was asked why he did not use original containers. He replied that he did not care for them, and that he would rather use his own.

**Oil Bergamot**—Coppers range from \$3.40 up to \$3.60 lb. spot as to seller. Demand has been fairly active, and spot supplies are none too plentiful, especially good quality material.

**Oil Bois de Rose**—Market firm with spot holders naming \$4.25@4.50 lb.

**Oil Camphor**—Japanese white unchanged at 13c@14c lb. spot in cases, and 12½c@14c lb. in drums.

**Oil Caraway**—Spot market is unchanged and easy at \$5.00@5.25 lb. with reports coming out of Holland stating that a firming up in the near future is entirely likely. They figure that \$2.80 lb. c.i.f. New York is the bottom price. Whether this will work out in this manner remains to be seen.

**Oil Cardamom**—Market steady with holders quoting \$28@30 lb. spot.

**Oil Cassia**—Shipment price the first of last week was quoted at \$1.61 lb. c.i.f. New York, but at the close, \$2.70 lb. was the best heard. Redistilled on spot has advanced in sympathy with higher shipment figures, and now quoted at \$2.15@2.25 lb., and natural at \$1.80@1.90 lb.

**Oil Cedar Wood**—Market firm at 45c@47c lb. spot as to quantity, with shipment from country about equal to these figures. Leaf, 95c@1.00 lb.

**Oil Celery**—Little business transacted at \$10.00@11.00 lb. spot as to quantity.

**Oil Cinnamon**—Ceylon named at \$11.00@12.50 lb. spot, and leaf easy at \$1.45@1.60 lb.

**Oil Citronella**—Ceylon market easy at 78c@85c lb. spot in drums, and 81c@88c lb. in tins. Supplies ample for present needs. Java is scarce with holders naming \$1.35@1.40 lb. spot for drums, and \$1.40@1.45 lb. for tins. No relief from high prices can be seen in the near future. Imports of citronella and lemongrass during twelve months ending June 30 have been 801,125 pounds, valued at \$566,858.

**Oil Cloves**—Market firm and inside at \$2.10@2.20 lb. spot in cans, and \$2.20@2.30 lb. for bottles. The reported short crop in spice may have further effect on the oil.

**Oil Coriander**—Market steady at \$11.25@11.75 lb. spot as to quantity and seller.

**Oil Erigeron**—Prices of \$1.30@1.40 lb. spot are firm, though market is quiet.

**Oil Eucalyptus**—Quoted in small demand at 50c lb. spot in drums, and 52c@54c lb. in cases with prompt shipment named at 41c lb. c.i.f. New York. Counter offers have been made at 40c lb., but up to the present time nothing has been heard in regard to acceptance.

**Oil Geranium**—Bourbon firm at \$7.25@8.50 lb. spot as to quality, and Algerian at \$7.75@8.50 lb.

**Oil Lavender**—U.S.P. goods are quoted at \$4.50@6.00 lb. spot with practically nothing available at the outside figure. New crop material will probably be higher, if present conditions continue unchanged. Spike named at 85c@1.25 lb.

**Oil Lemon**—Italian is firm though unchanged at 75c@85c lb. spot. Demand last week was active, and spot stocks are becoming materially reduced. American, 70c@75c lb.

**Oil Lemongrass**—Native steady at 75c@85c lb. spot.

**Oil Linaloe**—Market firm, though actual business transacted is small. Quoted at \$3.50@3.75 lb. spot.

**Oil Orange**—Italian quiet at \$2.70@3.00 lb. spot with replacements fully equal to these figures. West Indian dull at \$2.45@2.55 lb. American \$3.00@3.10 lb.

**Oil Pennyroyal**—In active demand at \$2.00@2.25 lb. spot for domestic material, and \$1.80@1.95 lb. for imported.

**Oil Peppermint**—Quoted higher at \$4.25@4.35 lb. spot for natural, and \$4.50@4.60 for redistilled goods. Distillation has been going on for about two weeks only, which makes it about a month behind a normal distillation season. Some factors on spot look for only one cutting, and this one to be unusually small.

**Oil Wormseed**—Quoted easy at \$4.00@4.25 lb. spot.

#### Balsams

**Peru**—Steady at \$1.80@1.90 lb. spot.

**Tolu**—Market firm at \$2.00@2.15 lb. spot, and scarce thereat. Some goods came in the other day, but have been delivered against contract, and therefore are not to be offered.

#### Vanilla Beans

**Bourbon**—Price remains firm at \$10.00@11.00 lb. spot in spite of the tendency for consumers to swing over to the synthetic materials.

**Mexican**—Whole named at \$11.50@12.00 lb. spot, and cuts at \$10.00@11.00 lb.

#### Aromatic Chemicals

**Coumarin**—In active demand with first hands naming \$3.25@3.45 lb. spot, and second hands at \$3.25 lb. and up.

**Heliotropin**—Imported quiet at \$2.50@2.75 lb. spot and domestic at \$1.85@2.00 lb. With the reduction of 15 per cent in the tariff in September, the imported article is expected to play a larger part in the spot market than heretofore.

**Methyl Salicylate**—Makers still name 45c@47c lb. spot, and reports state that some resale lots were offered below 44c@45c lb.

**Vanillin**—First hands unchanged at 49½c@51c oz. spot as to quantity. Resellers naming 44c@46c oz. One lot in bulk is offered as low as 39c oz. in a big way.

Essential oil price changes favor the buyer in the majority of cases, according to "The Chemist and Druggist," of London, which says: "American cedar wood is scarce and dearer, and Algerian geranium has advanced for forward delivery. Bourbon vetiver is also difficult to obtain and high prices are quoted. Gingergrass, which has been neglected for a long time, is unobtainable on spot in spite of the high rates offered. Bergamot is cheaper, and lemon is lower following a disappointing spot demand. The following oils have declined slightly. Star anise, cajuput, citronella, and eucalyptus oils."

Willard A. Walsh has resigned as director and first vice-president of Morana, Inc., and disposed of his interest in the corporation. The officers of Morana, Inc., are as follows: Carl Schaetzer, president; W. H. Rowse, first vice-president; James H. Becker, second vice-president; Warren E. Burns, treasurer; Walter Mueller, secretary.

Merchandise invoiced as "concrete absolute ambrette" is dutiable at 25 per cent ad valorem under paragraph 59, tariff act of 1922, and not at 45 per cent under paragraph 61, according to a decision by G. A. McClelland, of the General Appraisers Board, in the case of Antoine Chris Co. vs. the United States.

Burton T. Bush announces that the agency of Clarence Morgan & Co., Chicago, covers Illinois, Michigan, Indiana, Wisconsin, Iowa and Minnesota.

#### SICILIAN ESSENCES DECLINE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Catania, Sicily, Aug. 2.—The market for essences is inactive owing to producers, dealers and buyers remaining in the mountains to escape the excessive heat. Fluctuations in prices per Sicilian pound during July were as follows:

	July 4	July 29
Lemon juice .....	9.35- 9.40	9.10- 9.30
Sweet orange .....	39.80-40.15	38.90-40.00
Bitter orange .....	34.70-35.10	32.70-34.00
Mandarine .....	87.50-90.10	85.10-88.00
Bergamot oil .....	55.50-56.10	55.50-56.10

The price of lemon juice, after slight advances due to the lower value of the Italian lire (dollar equalling 23.50 lire and pound sterling 102.30 lire) fell towards the end of the month when holders sold rapidly.

Quotations on sweet orange, after falling considerably through neglect of buyers and nervousness of sellers, recovered after July 20 on receipt of oversea orders. Bitter orange oil suffered a slow steady fall all through the month due to the unfavorable season. Quotations on mandarine oil were kept from a precipitate fall by refusal of sellers to accept lower prices. Many stored their stocks in the hope of better prices in August or September. Bergamot oil was reduced very little in price.

May exports of sweet and bitter orange oil overland from Messina were 40 kilos, against 20 in May, 1923, and the exports oversea 6,596 kilos, against 4,072 kilos in May, 1923. No bergamot oil was exported to Continental Italy from Messina during May, 1924, while 355 kilos had been exported in this way in May, 1923.

#### ESSENTIAL OIL EXPORTS INCREASE

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Aug. 13.—The continued increase in use, manufacture, and consumption of essential oils is indicated in the exports for the January-July period, 1924, by the advancement of 62 per cent in value and 158 per cent in quantity, the foreign shipments having risen from \$435,834 (314,080 pounds) to \$705,436 (811,307 pounds). Shipments of peppermint oil which formed nearly one-half the total of the group more than doubled and reached \$299,842 (80,630 pounds) for the first half of 1924, according to a report by the Chemical Division of the Bureau of Foreign and Domestic Commerce.

Throughout the current year, perfumery and toilet preparations held their own in values shipped, when \$3,451,720 worth were exported. While perfumery and toilet waters decreased 35 per cent in value and talcum and toilet powders 8 per cent, these declines were more than offset by an improvement of 23 per cent for creams, rouges and other cosmetics, and 64 per cent in value of dentifrices, although this last mentioned commodity lost 22 per cent in quantities shipped. The figures for goods of this type were: Perfumery and toilet waters, 195,976 pounds, \$189,226; talcum and other toilet powders, 1,565,736 pounds, \$790,947; creams, rouges and other cosmetics, 1,246,492 pounds, \$36,036; dentifrices, 1,327,028 pounds, \$1,235,026; and all other toilet preparations, 837,940 pounds, \$601,685.

Cheap perfumes are in demand among the Dutch East Indian natives, according to the "Netherlands Indies Review," which says that manufacturers, who are contemplating putting perfumes on the market in the East Indies, will do well to realize that none but the cheapest scents will find favor among the natives.

Ylang ylang essence valued at 50,000 pesos was destroyed by fire at Cavite, on Manila Bay, Philippines, opposite Manila.



## Drug Consuming Industries

### CUBA PLANS TARIFF CHANGES

The special tariff committee of the Cuban House of Representatives has recently had a limited number of copies of a proposed tariff schedule printed and distributed, says Trade Commissioner C. A. Livengood, Havana. This new project has formed the basis of various representations made to the committee, the time for the reception of which, however, is reported to have closed on July 10. These rates are all general rates of the Cuban tariff and do not include the special reductions to which the United States is entitled by the treaty of reciprocity.

Tariff No.	Articles	Present duties	Proposed duties
ex88	Writing, drawing, and printing ink .....	\$3.00	\$10.00
ex92	Liquid carbonic acid .....	5.00	8.00
ex95	(a) Common salt .....	1.00	2.00
	(b) Common salt, ground or manufactured .....	1.30	5.00
ex90	Pills, including quinine, capsules, tablets, medicinal dragees, and the like: Patented .....	Per kilo .325	Per kilo 1.50
ex100	Pharmaceutical products, not specified: Patented .....	.13	1.00
xx105	Soaps: .....	Per 100 kilos	Per 100 kilos
	(a) Common .....	3.90	6.00
	(b) Ordinary toilet soaps .....	13.00	75.00
	(c) Fine toilet soaps, including so-called medicated Soaps .....	20.00	75.00
107	Artificial or chemical fertilizers .....	Per kilo .05	Per kilo .10
308	Matches .....	Per kilo .26	Per kilo 1.00

### BUSINESS OUTLOOK IMPROVES

"During July a considerable betterment in sentiment took place," says the National Industrial Conference Board's report, "for although production has not increased considerably, prices are firm and inquiries in respect to orders are more numerous. Trade sources indicate that June marked the low point in business so far this year, and that the turning point has been reached. The belief that business this Fall will be good is quite general. Exports for the first six months were 7.4% greater in value than for the first six months of 1923."

Retailers are not stocking up and there is thus no hindrance, in the form of overloaded stocks, to increased buying, according to J. H. Tregoe, Executive Manager of the National Association of Credit Men. Mr. Tregoe embodies in his August letter to members of the Association the returns from a recent questionnaire sent to credit men who say that "with the higher prices for agricultural products and the increased inquiries now developing in many industrial lines, business will soon hit the up-grade."

A list of Cuban distilleries of alcohol in the order of their probable need of pyridin and other denaturants has been received by the Chemical Division, Department of Commerce. Interested firms may obtain copies of the list upon application to the Bureau of Foreign and Domestic Commerce, Washington, D. C.

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KITAGUMI JAPAN WAX

A process of deflation in German business within the next year or so is predicted by Donald L. Breed, assistant commercial attache in Berlin, Germany, who arrived in Boston last week for a conference with manufacturers and exporters. Bankruptcies have already started, he said. In November last year bankruptcies were only eight in the entire country, while the record for July was between four and five hundred.

Menthol has taken a sudden jump and is reported to have sold last week as high as \$12 per pound duty paid, according to Dodwell & Co., New York, importers of Far Eastern products, who say: "At the moment no explanation of the advance is made other than rumors to the effect that cables have been received from Japan emphasizing the damage that has been done to the crop by the reported drought."

A petition in bankruptcy has been filed at Utica, N. Y., by George E. Fitzsimonds, a pharmacist of Malone, N. Y. Liabilities \$16,471, assets \$4,800.

Total subscriptions for pharmacy headquarters building to be erected as a central meeting place for the drug industry now amount to \$415,227.

Twelve firms are engaged in the wholesale drug business in Manila, Philippines, and 138 in the retail trade. The provinces report 399 retailers.

Central Chemical Co. has filed judgment for \$165.84 in New York County against John C. Baker.

Schieffelin & Co., New York, have filed judgment for \$124.86 against Harry Sussman.

### Books of Trade Interest

**TOXICOLOGY or THE EFFECTS OF POISONS.** By Frank P. Underhill, Ph. D., Yale University, 263 pages, 8vo. P. Blakiston's Son & Co., Philadelphia.

This volume has been prepared with the object of presenting a short, concise description of the effects of poisons upon the organism. No attempt has been made to enter into details of the chemical reactions involved in the isolation and identification of poisons.


**CELLULOSE CHEMISTRY.** By Emil Heuser, Clarence J. West, and Gustavus J. Esselen, Jr., 203 pages, 8vo. First Edition McGraw-Hill Book Co., New York.

The purpose of this book is to present a brief but critical discussion of the results of investigations, as well as the evaluation of these results with reference to the problem of the constitution of cellulose.

International Textbook Co., Scranton, Pa., has published a work on organic chemistry for pharmacy in three parts. Part 1 deals with Pharmacy for Students; part 2, with Materia Medica; and part 3, with State Board Examination Questions.

International Textbook Co., Scranton, Pa., has published a book on "Cottonseed Oil and Products," "Petroleum and Products," and "Water Softening." All of these topics are contained in the one volume.

Potter Drug & Chemical Co., Boston, has taken out group life insurance on its employees. The minimum is \$1,000 for employees of six months, ranging up to \$2,500, allowing \$100 per year of service.



# QUININE

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# Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

**CLASSIFICATION**—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids and miscellaneous products; **Crude Drugs, Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

**Packages**—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

**QUOTATIONS**—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

**Fatty Oils** prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

**WEIGHTS AND MEASURES**—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20 American Gallons
1 American Gallon	— .833 Imperial Gallon
1 American Gallon	—3.79 Liters
1 Liter	— .264 American Gallon
1 American Gallon (Water)	—8.35 Pounds
1 Pound (Avotrdupois)	— .454 Kilogram
1 Kilogram	—2.20 Pounds

Style and Arrangement Copyright by DRUG & CHEMICAL MARKETS, 1922

## Chemicals

<b>ACETANILID</b> , tech. 150 lb bbls. . . . .			.26	: .28	<b>Acid Carboate</b> —(continued)		
100 lb kgs. . . . .	.27	: .30	Liquid USP, 1 lb bot. . . . .			.34	: .35
USP 200 lb bbls. . . . .	.33	: .35	Crude, 25% 50 gal. bbls. gal. . . . .			.33	: .35
Second Hands . . . . .	.33	: .34	10% 50 gal. bbls. gal. . . . .			.27	: .30
<b>Acetic Anhydride</b> . . . . .			<b>Carbonic</b> , see Carbon Dioxide				
85-90% 107 lb chgs. . . . .	. . .	. . .	<b>Chloracetic</b> . . . . .				
90-95% 100 lb chgs. . . . .	. . .	. . .	mono 100 lb bbls, wks. . . . .			. . .	: .25
C.P. 100 lb chgs. . . . .	. . .	. . .	DI, 150 lb chgs wks. . . . .			. . .	: 1.00
Acetone, CP 700 lb drs. c/l wks. . . . .	.16	: .17	Tri, 425 lb bbls, wks. . . . .			. . .	: 2.50
700 lb drs. 1c/l wks. . . . .	.16 1/4	: .18	<b>Chlorosulfonic</b> , 1500 lb drs. . . . .				
350 lb drs. 1c/l wks. . . . .	.16 1/4	: .18	wks. . . . .			.15	: .16
Second Hands, spot . . . . .	.16 1/4	: .17 1/4	<b>Chromic</b> , USP 200 lb drums. . . . .			. . .	: .40
Acetone, 100 gal drums. . . . .	. . .	. . .	85% Pure, 200 lb drums. . . . .			. . .	: .35
<b>Acetone Oils</b> , light, drs. wks. . . . .			<b>Chromotropic</b> , 300 lb bbls. . . . .			. . .	: 1.35
Heavy, drs. wks. . . . .	1.40	: 1.45	Chrysanthic, see Chrysarobin				
Acetophenetidin, 150 lb bbls. . . . .	1.85	: 1.90	<b>Cinnamic</b> , 5 lb cans . . . . .			. . .	: 3.93
Acetyl Chloride, 100 lb chgs. . . . .	.40	: .41	<b>CITRIC</b> , USP cryst. 230 lb bbls. . . . .			. . .	: .46
ACID, 1, 2, 4, 250 lb bbls. . . . .	. . .	: 1.30	Powd., USP, 200 lb bbls. . . . .			. . .	: .47
<b>Acetic</b> , 28%, 400 lb bbls. c/l			Imported, crys. 112 lb kgs. . . . .			.46	: .47
28%, wks. . . . .	. . .	: 2.12	Single kgs . . . . .			. . .	: .47 1/4
50%, 1c/l wks. . . . .	. . .	: 2.37	<b>Cleves</b> , 250 lb bbls. . . . .			1.00	: 1.10
50%, c/l wks. . . . .	. . .	: 2.85	Cresylic, 95% dark dr. NY. gal. . . . .			.63	: .65
50%, 1c/l wks. . . . .	. . .	: 6.10	97-99% pale, drs. NY. gal. . . . .			.65	: .75
70%, bbls. c/l wks. . . . .	. . .	: 7.20	Crude, spot, drums . . . . .			.55	: .60
70%, 1c/l wks. . . . .	. . .	: 7.45	<b>Diethylbarbituric</b> , Dom., 25 lb lots, . . . . .			10.00	: 12.00
80% coml. bbls. c/l wks. 100 lb . . . . .	. . .	: 8.19	1 lb bot. . . . .			3.50	: 3.75
80% coml. 1c/l wks. . . . .	. . .	: 8.44	Imp. 10 lb lots . . . . .			.12 1/4	: .18
80% pure bbls. c/l wks. 100 lb . . . . .	. . .	: 9.98	Formic 85% tech. 140 lb chgs. . . . .			.13	: .13 1/4
80% pure 1c/l wks. . . . .	. . .	: 10.23	90% 80 lb chgs. incs. . . . .			. . .	: .70
Glacial, bbls. c/l wks. . . . .	. . .	: 11.01	<b>Gallie</b> , USP, 150 lb bbls. . . . .			. . .	: 1.50
Glacial, 1c/l wks. . . . .	. . .	: 11.28	<b>Gamma</b> , 225 lb bbls, wks. . . . .			1.85	: 1.95
Glacial USP chgs. wks. . . . .	. . .	: 11.76	<b>Glycerophosphoric</b> , 25% 1 L b. . . . .			.72	: .75
Acetylaldehyde, 220 lb bbls. . . . .	.75	: .85	<b>Hydroiodic</b> , 10% USP 5 lb bot. . . . .			. . .	: .75
Second Hands . . . . .	.72 1/4	: .75	<b>Hydrobromic</b> , 48% coml. 155 lb . . . . .			.35	: .40
<b>Anthranilic</b> , tech., drs. . . . .	. . .	: .94	chgs. wks. . . . .			.40	: .45
<b>Benzide</b> , tech. 100 lb bbls. . . . .	. . .	: 1.00	48% coml. 10 chgs. wks. . . . .			.45	: .46
Tech. ton lots bbls. . . . .	. . .	: .70	40% USP 155 lb chgs. wks. . . . .			.11	: .13
USP, 100 lb bbls. . . . .	.75	: .85	10% USP 100 lb chgs. wks. . . . .			. . .	: .08
Second Hands . . . . .	.70	: .74	<b>Hydrochloric</b> , see also Acid Muriatic			. . .	: .07
<b>Boric</b> , crys. powd. 250 lb bbls. . . . .	. . .	: .09 1/4	CP, USP, 110 lb chgs. . . . .			. . .	: .06
Kegs, 100 lb . . . . .	.10	: .10 1/4	<b>HYDROFLUORIC</b> , 30% 400 lb bbls. . . . .			. . .	: .07
<b>Brown's</b> 250 lb bbls. . . . .	. . .	: 1.25	30% bbls. c/l wks. . . . .			. . .	: .11
<b>Butyric</b> , 60% pure 5 lb bot. . . . .	.40	: .50	30% 100 lb chgs. wks. . . . .			. . .	: .10
C.P. 10 lb bot. . . . .	1.25	: 1.50	48% single 100 lb chgs. wks. . . . .			. . .	: .14
<b>Camphoric</b> , USP, VIII 1 lb bot. . . . .	5.90	: 6.00	48% 10 chgs. wks. . . . .			. . .	: .14
<b>Carbolic</b> , USP crys. see also Phenol			52% 100 lb chgs. wks. . . . .			. . .	: .11
119 lb tins . . . . .	.28	: .27	52% 10 chgs. wks. . . . .			. . .	: .11
25 lb tins . . . . .	.35	: .32					
5 lb tins or bot. . . . .	.30	: .32					
1 lb bot. . . . .	.35	: .38					

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<b>ACID, NITRIC, 36° 130b</b>			<b>ACID, Sulfuric</b>			<b>ALCOHOL—(continued)</b>		
lc/l chys. wks....100b	4.75	5.25	lc/l wks....100b	1.50	1.75	Isopropyl, crude 50 gal. drs. gal	2.25	
Chys. c/l wks....100b	4.50	4.75	Drums, c/l wks....100b	1.25	1.50	Refined, 50 gal. drs. gal	4.00	4.50
38° lc/l chys. wks....100b	5.25	5.75	Tank cars, wks....net ton	17.00	18.00	Ref'd, 91% drs. gal	3.50	
Chys., c/l wks....100b	5.00	5.25	Contract cars, wks....ton	...	...	Methyl, see Alcohol, Wood		
40° lc/l chys. wks....100b	5.75	6.00	Oleum, 40% drs lc/l wks.net ton	...	40.00	Propyl. aml. ord. 50 gal. drms. gal	4.40	
Chys., c/l wks....100b	5.50	5.75	Oleum, 60% dra., lc/l wks. net	60.00	70.00	Refined, 16b cars....b	.75	
42° lc/l chys. wks....100b	6.25	6.75	Sulfurous, USP 6% 100b chys. b	.05	.08	Denatured		
Chys., c/l wks....100b	6.00	6.25	4% 100b chys....b	.04	.05	No. 1 Complete Denat. 188 Proof		
C. P. chys. single wks....100b	.15	.18	USP, 5 gal. demis....b	.06	.08	50 gal. bbl. incl....gal	.56½	.58½
Oxalic, 300b bbls., wks....b	.09½	.09%	Tannic, tech. 300b bbls....b	.30	.40	50 gal. drums, extra....gal	.49½	.51½
Bbls., NY....b	.08½	.09%	USP, powd 200b bbls....b	.75	.80	No. 1 Special Denat. 190 Proof		
Kegs, 100b NY....b	.10½	.11	USP, fluffy, 50b bbls....b	.75	.80	50 gal. bbl. incl....gal	.55½	.56½
Imp., 560b cases....b	.09½	.09%	Tartaric, USP cryst 300b bbls....b	...	.29	50 gal. drums, extra....gal	.48½	.50½
Phenylchloroformic, domestic....b	8.50	9.00	USP, powd, 300b bbls....b	.27	.27½	No. 5 Complete Denat. 188 Proof		
Imported, 5 bbls....b	7.00	7.25	Imp. USP, 240b bbls....b	.27	.27½	50 gal. bbls, incl....gal	.54½	.55½
Phosphoric, 50% tech. 100b			Powd. 240b bbls....b	.27½	.28	50 gal. drums, extra....gal	.47½	.49½
chys....b	.08	.09	Tobias, 250b bbls....b	.90	.95	No. 6 Complete Denat. 188 Proof		
USP, Syrupy 85°, 70b....b	.16	.17	Tungstic, 100b kegs....b	...	1.00	50 gal. bbls, incl....gal	.53½	.55½
Imported....b	...	...	Valeric, C.P., 10b bot....b	2.50	2.75	50 gal. drums, extra....gal	.46½	.48½
Phthalic, see Phthalic Anhydride			Acetidine Alk. cryst 1 cu. vis....cu	...	30.00	In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.		
Picramic, 300b bbls....b	...	.65	Amorphous, 1 cu. vis....cu	...	20.00	Aldin, USP, 100b cases....b	.82½	.85
Picric, 450b bbls....b	...	.50	Adepe Lanac, hydrous 350b bbls. b	.15	.21	Alpha-Naphthol, crude 300b bbls. b	...	.65
Bbls. car lots wks....b	.20	.25	Anhydrous, 350b bbls....b	.18	.23	Refined....b	...	.80
Pyrogallic, crys. 5b cans....b	1.25	1.30	Albumen Egg, edible....b	...	1.20	Alpha-Naphthylamine, 350b bbls. b	.35	.37
Resublimed, 5b cans....b	1.55	1.65	Blood....b	.40	.45	Ton lots, bbls. wks....b	...	.35
Tech. powd., 200b bbls....b	...	.85	Vegetable....b	.60	.70			
Salicylic, tech., 125b bbls....b	.52	.53	Technical, see Dyes Sundries					
USP, 100b bbls....b	...	.35	<b>ALCOHOL, USP 190 pf. 50 gal.</b>	4.85	4.93			
Second Hands....b	.32	.33	bbls....gal	...	...			
Sulfanilic, 250b bbls....b	.14	.20	Second Hand, bbls, USP 190	...	...			
<b>SULFURIC, 66° 180b chys.</b>			pf....gal	...	...			
lc/l wks....100b	1.35	1.75	Export, USP, 190 pf....gal	.45	.83			
Chys., c/l wks....100b	...	1.35	Cologne Spirit, 50 gal. bbls. gal	4.90	5.00			
1500b Drums, lc/l			<b>WDSO, see Methanol</b>					
wks....100b	...	1.25	Alcohols also in 50 gal.					
Drums, c/l wks....100b	...	1.10	drums extra and returnable.					
Tanks cars, wks....net ton	14.00	15.00	Amyl, see Oil Fusel					
60° 1500b Drums			Butyl, 50 gal. drums, wks....b	...	.32			
lc/l wks....100b	.75	1.00	Tank cars, wks....b	...	.30			
Drums, c/l wks....100b	.65	.75	Isobutyl, crude 50 gal. drums, gal	...	...			
Tank cars, wks....net ton	9.00	10.00	Refined, 10b can....b	2.00	2.50			
C. P. 175b chys....100b	.08	.09						

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ON PRODUCTS OF STANDARD MERIT

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Ammonia Alum  
Aluminum Sulphate  
Aqua Ammonia  
Copperas Nitrate Iron  
Hydrofluoric Acid

Salt Cake  
Tin Crystals  
Sodium Sulphide  
Sodium Silicate  
Sodium Phosphate

## GENERAL CHEMICAL COMPANY

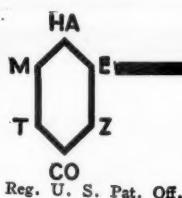
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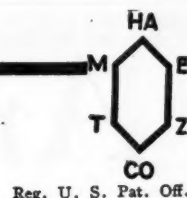
The Nichols Chemical Co., Ltd., Montreal  
Cable Address: Lycurgus, N. Y.

## Chemicals

<b>ALUM.</b> Ammonia, lump 400 lb bbls.			<b>AMMONIA</b> anhyd. 100 lb cyl.... lb			<b>AMMONIUM</b> —(Continued)		
wks. ....100 lb	3.50	3.65	Water, 26° 800 lb drs. wks.... lb	...	.06%	Persulfate, 112 lb cases.... lb	...	.40
Imp., 500 lb casks....100 lb	...	...	Drs. c/l wks.... lb	...	.06%	Phosphate, dibasic 200 lb bbls. lb	...	.38
Ground, 400 lb bbls. wks.100 lb	3.65	3.75	C.P., clys. .... lb	...	.14	Tech., powd. 325 lb bbls.... lb	...	.18
Powd. 380 lb bbls. wks.100 lb	3.90	4.00	Imp., 800 lb drs. incl. spot. lb	...	.06%	Phosphate, mono, 325 lb bbls. lb	...	.12%
Chrome 500 lb cks. wks.100 lb	5.50	6.00	26° 100 lb clys. lc/l wks. lb	...	.07%	Salicylate, USP 100 lb kegs.... lb	...	.75
Potash, lump 400 lb bbls.	...	...	Clys., c/l wks.... lb	...	.07%	Sulfate, bulk c/l wks....100 lb	...	2.50
wks. ....100 lb	...	4.50	20°, 800 lb drs. lc/l wks. lb	...	.05%	200 lb single bgs. c/l wks.100 lb	...	2.75
Bbls. c/l wks....100 lb	...	4.25	Clys., lc/l wks.... lb	...	.06%	200 lb double bgs., f.a.s.100 lb	...	2.65
Cont. bbls. c/l wks....100 lb	...	4.25	18°, 800 lb drs. lc/l wks.... lb	...	.04%	Sulfoxyanide, tech. 100 lb kegs. lb	...	.60
Imp. 650 lb cases a.p....100 lb	3.00	3.50	Clys., lc/l wks.... lb	...	.05%	C.P., 25 lb jars.... lb	...	.70
Ground, 400 lb bbls. wks.100 lb	4.35	4.60	16°, 800 lb drs. lc/l wks.... lb	...	.04%	Amyl Acetate, tech. 50 gal. drs. gal	2.55	2.75
Imp. 650 lb casks....100 lb	...	3.00	Clys., lc/l wks.... lb	...	.05%	Refined, 50 gal. drums.... gal	3.00	3.50
Powd., 380 lb bbls. wks.100 lb	4.50	4.75	Ammonium Acetate, 100 lb kegs. lb	...	.37	Alcohol, see Fuel oil	...	...
Chrome, 700 lb cks wks.100 lb	5.50	6.00	Benzoate, USP, 1 lb bot.... lb	.90	.95	<b>ANILINE OIL</b> , 900 lb drs.... lb	.16	.17
Soda grt. 400 lb bbls. wks.100 lb	...	4.00	Bifluoride, 300 lb bbls.... lb	.22	.23	Aniline Salt, 200 lb bbls.... lb	.18	.22
Bbls. c/l wks....100 lb	...	3.50	100 lb kegs.... lb	.23	.24	Anthracene, 80-85%, 600 lb casks	...	...
Aluminum, metal, c/l NY....100 lb	26.50	27.00	Bromide, 50 lb boxes.... lb	.44	.45	wks. .... lb	.80	.85
Chloride, anhyd. 375 lb drs.... lb	.20	.22	Imported, 112 lb boxes.... lb	.28	.30	28-30%, Imp. .... lb	.02	.02%
Crystals, 375 lb bbls.... lb	...	.06%	Carb., tech. 560 lb casks.... lb	...	.08%	Anthraquinone, subh. 125 lb bbls. lb	1.00	1.15
30% sol. 120 lb clys.... lb	.08%	.04	Powd., tech. 385 lb bbls.... lb	...	.09	Antimony metal, slabs ton lots 100 lb	.09	.09%
Hydrate 96% light 90 lb bbls. lb	.17	.18	USP, lump, 100 lb kegs.... lb	.12%	.13	Needle Powd., 100 lb cases.... lb	.07%	.09%
Heavy 62-64%, 220 lb bgs lb	.06	.06%	Powd., 100 lb kegs.... lb	.13%	.14	<b>ANTIMONY CHLORIDE</b> , anhyd 1000 lb	...	...
400 lb bbls. wks.... lb	.06%	.07	Chloride, Domestic	...	...	dra. .... lb	...	.35
<b>SULFATE</b> , iron-free bgs c/l	...	...	White, 250 lb bbls. c/l .... lb	...	.07%	50 lb crocus.... lb	.45	.48
wks. ....100 lb	2.25	2.40	250 lb bbls., lc/l wks.... lb	...	.08	Sol'n, 130 lb carboys 33°.... lb	...	.06
Imported, spot ....100 lb	2.30	2.35	Imp. wh. 250 lb casks spot. lb	.06%	.06%	Oxide, 500 lb bbls.... lb	.08	.08%
Comm'l., ¼% iron. bgs. c/l	...	...	Gray 250 lb lbs. wks.... lb	...	.08%	Salt, dom. 500 lb bbls.... lb	.24	.25
wks. ....East 100 lb	...	1.35	Bbls., c/l wks.... lb	...	.07%	Imp., NY .... lb	.18	.19
Cont. bgs. c/l wks. E.100 lb	1.30	1.35	Imp. gray 250 lb casks.... lb	.08%	.08%	Sulfuret, golden 500 lb bbls.... lb	...	.21
Bags, c/l wks. W....100 lb	...	1.30	Lump, 500 lb casks spot.... lb	.12	.13	336 lb kegs .... lb	...	.19
Bbls., c/l wks. East.100 lb	...	1.50	Ichthyolate, as to brand.... lb	4.85	5.00	Crimson, 500 lb bbls.... lb	...	.38
Bulk, c/l cont. wks. E.100 lb	...	...	Iodide, USP, 25 lb jars.... lb	...	5.30	336 lb kegs .... lb	...	.38
Amidol, (see Diaminophenol)	...	...	Lactate, 500 lb bbls.... lb	.15	.16	Red, 500 lb bbls.... lb	...	.45
Amidopyrine, Imp. 10 lb boxes.... lb	4.35	4.50	Nitrate, tech. crys. 225 lb bbls. lb	...	...	336 lb kegs .... lb	...	.42
Domestic, 10 lb boxes.... lb	...	4.60	Refined Crystals, bbls.... lb	.21	.23	Tartracate, 500 lb bbls.... lb	...	.46
Aminozobenzene, 110 lb kegs.... lb	...	1.15	CP gran. 100 lb kegs.... lb	.35	.37	Antipyrine, USP, 100 lb cases.... lb	2.05	2.10
			Oxalate, pure, 100 lb kegs.... lb	.40	.42	Apomorphine Hydrochloride, ¼ oz. vials. oz	...	21.15
						Arecoline Hydrobromide, 1 oz. vial. oz	6.35	7.82
						Argols, red powd. 350 lb bbls.... lb	.08	.07



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## Chemicals

Arsenic, metal, 220 lb kegs.....lb	...	.45	Benzidine Base, dry 250 lb bbls. lb	.78	: .80	BISMUTH—(Continued)		
Red, 224 lb kegs cases.....lb	.15	: .15½	Benzidine Sulfate, paste 350 lb bbls.....lb	.70	: .72	Subiodide, 5 lb lots.....lb	...	4.65
White, 220 lb cases to 550 lb bbls, NY.....lb	.07%	: .08%	Benzol, see Benzene			Subnitrate, USP, 250 lb bbls..lb	...	2.90
Asbestos.....ton	16.00	: 18.00	Benzonaphthol, 5 lb boxes.....lb	3.50	: 3.60	Second Hands, bbls. or less..lb	...	2.90
Aspirin, see Acid acetylsalicylic			Benzoyl Chloride, 500 lb drs.....lb	...	1.00	Cones, 1 lb bot.....lb	...	4.09
Atropine, Alk. USP, 1 oz. vial...oz	5.00	: 5.57	Benzyl Acetate, 100 lb chys....lb	1.55	: 1.75	Subsulfate, USP, 175 bbls..lb	...	3.10
Sulfate, 5 oz. cans.....oz	...	2.75	Alcohol, 5 lb bot.....lb	1.45	: 1.55	Tannate, 1 lb bot.....lb	...	2.60
Single ounce.....oz	...	2.92	Benzoate, 5 lb bot.....lb	1.60	: 1.75	above on basis 25 lb lots.		
BARIUM BINOXIDE, see Barium dioxide			Medicinal FFC.....lb	1.75	: 2.00	Smaller lots at an advance.		
Carbonate, precip., 800 lb bbls. wks.....ton	65.00	: 70.00	Chloride, 95% tech. 925 lb drs..lb	...	.25	Blanc Fixe, dry 400 lb bbls. wks. ton	75.00	: 80.00
Precip., 260 lb lbs., wks.....ton	64.00	: 66.00	100 lb chys.....lb	.25	: .30	Imported, bbls.....ton	70.00	: 72.00
Imports, bbls. spot.....ton	59.00	: 60.00	Red'stil. 160 lb chys.....lb	.40	: .45	Paste, 650 lb bbls.....ton	50.00	: 55.00
Chloride, 800 lb bbls, wks.....ton	80.00	: 95.00	Formate, 1 lb bot.....lb	3.00	: 3.25	BLEACHING POWDER, 700 lb dra. c/l wks.....100 lb	...	1.90
200 lb lbs., wks.....ton	90.00	: 92.50	Berberine Hydrochloride, 1 lb bot..lb	...	22.50	Drums lc/l ex-warehouse...100 lb	2.35	: 2.60
Import, bbls., spot.....ton	77.00	: 78.00	Sulfate, acid or neut. 1 lb bot..lb	...	23.00	Contract, c/l wks.....100 lb	1.90	: 2.15
Dioxide, 85% 600 lb drs.....lb	.17	: .18	BETA-NAPHTHOL, 350 lb bbls, wks. lb	...	.26	Drums, lc/l wks.....100 lb	2.05	: 2.30
Import, 86-88% 400 lb drs..lb	...	.15	Sublimed.....lb	.55	: .60	Imported, spot.....100 lb	...	
Hydrate, 500 lb bbls.....lb	...	.05	Beta-Naphthylamine, tech. 200 lb bbls.....lb	.65	: .67	Blue Ointment, see Mercury		
Iodide, 5 lb box.....lb	...	5.15	Sublimed, 200 lb bbls.....lb	...	1.35	Mam. see Mercury		
Nitrate, 700 lb cases.....lb	...	.10	Bichloride Mercury, see Mercury Bichloride			Bone Ash, 100 lb kegs.....lb	.00	: .07
Import cases.....lb	.08	: .08½	BISMUTH metal, 150 lb cases....lb	2.50	: 2.65	Black, 200 lb bbls.....lb	...	.06
Sulfocyanide 400 lb bbls.....lb	...	.35	Second Hands.....lb	2.50	: 2.60	Borax, USP, crys. 400 lb bbls..lb	.05	: .05½
Barytes, floated 350 lb bbls wks ton	23.00	: 26.00	Ammon. Citrate, USP 5 lb bxs..lb	...	5.85	Powdered, USP, 300 lb bbls..lb	.05	: .05½
Imported.....ton	29.00	: 33.00	Betanaphtholate, 5 lb bxs.....lb	...	3.30	Kegs, USP, 100-150 lb.....lb	.05½	: .05¾
Bay Rum, Porto Rican, genuine			Citrate, USP 5 lb bxs.....lb	...	3.00	Bordeaux Mixture, 16% pd. bbls..lb	.11%	: .18
Medicated salicyl. acid or tartar 45 gal. bbls.....gal	1.20	: 1.25	Nitrate, 25 lb jars.....lb	...	2.00	Paste, bbls.....lb	.08	: .10
Medicated quinine sulf. 45 gal. bbls.....gal	1.20	: 1.25	Oxychloride, 250 bbls.....lb	...	3.50	Boraeol. 1 lb bot.....lb	...	3.50
Domestic synthetic, 50 gal. bbls.....gal	.90	: 1.00	Phenolsulfonate, 5 lb cans....lb	...	3.30	Bromide, see potass. bromide, etc.		
St. Thomas			Salicylate, 250 bbls.....lb	...	1.95	Bromine, bot in 60 lb cs. wks..lb	...	.39
Medicated salicyl. acid or tartar emetic, 50 gal. bbls. gal	1.20	: 1.35	Subcarbonate, USP, 250 bbls..lb	...	3.40	Bromobenzene, 600 lb drums....lb	.40	: .42
Benzaldehyde, tech. 945 lb dra. wks.....lb	.70	: .75	X-Ray diag. 1 lb bot.....lb	...	3.93	Bromoform, USP 5 lb bot 50 lb cs. lb	...	1.65
USP, 40 lb chys.....lb	1.40	: 1.50	Subgallate, USP, 175 lb bbls..lb	...	2.80	Brucine Sulfate, 100 cs.....cs	.15	: .25
FFC, 40 lb chys.....lb	1.50	: 1.65				Butter of Antimony, see Antimony Chloride		
BENZENE, 98% 8000 gal. tanks wks.....gal	...	.23				CADMIUM, metal 100 lb bxs....lb	.95	: 1.00
110 gal. dra. wks.....gal	...	.28				Bromide, 50 lb cases jars....lb	...	1.20
Pure, Tanks, wks.....gal	...	.25				Iodide, 10 lb bot.....lb	...	4.45
110 gal. drs. wks.....gal	...	.30				Sulfide, cs.....lb	1.50	: 1.60

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## Chemicals

CAFFEINE ALK, USP 500 lbs. cas. . . . .	3.50	: 3.75	CAMPHER, Amer. ref: 3500			Chalk, drop 1750 bbls. . . . .		: .03%
Second Hands . . . . .	3.40	: 3.45	bbls. . . . .		: .83	Precip. light 2500 lbs. cas. . . . .		: .04%
Hydrochloride, 1 lb. bot. . . . .	6.05	: 6.55	2 1/2 lb. slabs, 100 lb. cs. . . . .		: .84%	Precip. heavy 5000 lbs. cas. . . . .		: .04%
Sulfate, 1 lb. bot. . . . .	5.40	: 5.90	1 lb. cakes, 100 lb. cs. . . . .		: .84%	Bulk . . . . .	5.00	: 5.00
Citrate, 250 lb. cas. . . . .	2.90	: 3.10	1 oz. tab., 1 lb. ctms. . . . .		: .88%	Precip. English, 7 lb. bags. . . . .		: .07%
Hydrobromide, 1 lb. bot. . . . .	4.65	: 4.90	100 lb. cs. . . . .		: .89	Charcoal, Bone, see bone black		
CALCIUM Acetate, 1500 lb. bags, c/l			100 lb. cs. . . . .		: .89	Wood, powd. 100 lb. bbls. . . . .	.04	: .05
1000 lb. . . . .		: 3.00	Jap. ref., 2 1/2 lb. slabs, 100 lb.			Willow, powd. 100 lb. bbls. . . . .	.06	: .07
Arsenate, 100 lb. bbls. c/l wks. . . . .	.09	: .10	cs. . . . .	.68	: .69	China Clay, Dom., crude. . . . .	6.00	: 6.00
Bromide, 100 lb. cs. . . . .		: .50	1 oz. tab., 100 lb. cs. 1 lb.			Washed & Ground . . . . .	8.00	: 15.00
Carbide, 320 lb. dr. c/l wks. . . . .		: .04%	tins . . . . .		: .85	Imp., Filler Clay. . . . .	12.00	: 15.00
Drums, 1c/l wks. . . . .		: .05	1/2 oz. tab., 100 lb. cs. 1 lb.			Costing . . . . .	18.00	: 20.00
Carbonate, tech. 100 lb. bags			tins . . . . .		: .86	Chloral Hydrate, USP 100 lb. drs. . . . .	.75	: .80
c/l . . . . .	1.00	: 1.10	Chinese ref. 2 1/2 lb. slabs 100 lb.			25 lb. jars . . . . .	.83	: .85
USP, precip. 1750 bbls. . . . .		: .04	cs. . . . .		: .	Chloroform, 5 lb. bot. . . . .	1.25	: 2.50
Chloride, solid, 650 lb. drs. c/l			Crude, 100 lb. cs. . . . .	.58	: .60	Chloroform, 5 lb. bot. . . . .	.55	: .75
f.a.h. NY . . . . .		: 24.50	Campher, Monobrom., 100 lb. cs. . . . .	1.75	: 1.85	Chloramine-T, 5 lb. bot. . . . .		: .
Imp. shipment . . . . .		: 21.50	Caramel, 50 gal. bbls. . . . .		: .70	Chloroform, 5 lb. bot. . . . .		: .
Gran., 350 lb. drs. c/l f.a.h.			Carbanol, 250 lb. bbls. . . . .		: .50	Chlorhydric, Ethylene anhyd. 600 lb.		
NY . . . . .		: 30.50	Carbon Bisulfide, 500 lb. drs. 1c/l NY		: .06%	Chlorhydric, Ethylene anhyd. 600 lb.		
Vials 320 lb. drs. c/l f.a.h.			c/l drums, NY. . . . .		: .06	Chlorhydric, Ethylene anhyd. 600 lb.		
NY . . . . .		: 30.50	Carbon Black, 12 1/2 lb. bags. . . . .	.10	: .12	Chlorhydric, Ethylene anhyd. 600 lb.		
Anhyd., 350 lb. drs. f.a.h. NY. . . . .	.13	: .30	Carbon Dioxide, Liquid, 20-25 cyl.		: .06	Chlorhydric, Ethylene anhyd. 600 lb.		
Glycerophosphate, 250 lb. bbls. . . . .	1.50	: 1.60	Carbon Tetrachloride, 1400 lb. drs.			Chlorhydric, Ethylene anhyd. 600 lb.		
Hydrate, (see Lime)			NY . . . . .	.06%	: .06%	Chlorhydric, Ethylene anhyd. 600 lb.		
Hypophosphite, USP, 25 lb. cans . . . . .	.60	: .65	Drums, c/l NY. . . . .		: .06%	Chlorhydric, Ethylene anhyd. 600 lb.		
Iodide, 5 lb. bot. . . . .		: 4.40	700 lb. drs. single NY . . . . .	.07	: .07%	Chlorhydric, Ethylene anhyd. 600 lb.		
Lactate, tech. 500 lb. bbls. . . . .		: .13%	Carmin, No. 40 5 lb. boxes. . . . .	4.75	: 4.85	Chlorhydric, Ethylene anhyd. 600 lb.		
U.S.F. . . . .	.50	: .60	Casein, edib., 100 lb. keg. . . . .		: .45	Chlorhydric, Ethylene anhyd. 600 lb.		
Nitrate, 220 lb. bbls. c/l NY. . . . .		: 40.00	Technical, 200 lb. bbls. . . . .		: .11%	Chlorhydric, Ethylene anhyd. 600 lb.		
Phosphate, tech. 350 lb. bbls. . . . .	.09	: .10	Castoreum, 1 lb. boxes. . . . .	4.00	: 4.50	Chlorhydric, Ethylene anhyd. 600 lb.		
Phosphate, precip. trihydrate 300			Castor Oil, USP 50 gal. bbls. . . . .		: .17	Chlorhydric, Ethylene anhyd. 600 lb.		
lb. bbls. wks. . . . .	.11	: .14	Case, 80 lb. 2 tins . . . . .		: .18	Chlorhydric, Ethylene anhyd. 600 lb.		
Phosphate, mono, 325 lb. bbls. . . . .	.07	: .08	Tech. see Fixed Oils			Chlorhydric, Ethylene anhyd. 600 lb.		
Sulfocarbonate, 100 lb. bags. . . . .	.55	: .57	Caustic Potash, see potash, caustic			Chlorhydric, Ethylene anhyd. 600 lb.		
Calomel, see Mercury			Soda, see soda, caustic			Chlorhydric, Ethylene anhyd. 600 lb.		
			Cellulose Acetate, 100 lb. cans. . . . .	1.75	: 2.00	Chlorhydric, Ethylene anhyd. 600 lb.		
			Cerium Oxalate, USP 100 lb. bags . . . . .	.35	: .38	Chlorhydric, Ethylene anhyd. 600 lb.		

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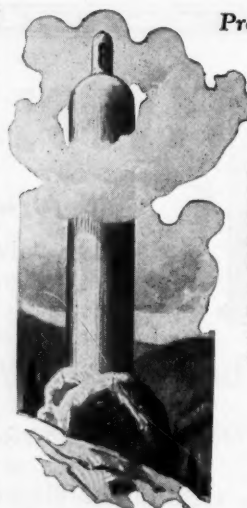
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## Chemicals

Cinchonine alk., pvd. 100oz. tins... : .38	COPPER metal electrolyte c/l	Diethyl Sulfate tech. 50gal. drs. lb. : .30 : .35
Crystal .....oz. : .43	NY .....100lb 13.62 : 13.75	CP drums .....lb .40 : .50
Sulfate, 100 oz. tins.....oz. : .25	Lake, c/l NY .....100lb 13.75 : 13.82	Digitalin, Pure, 1 oz. vial.....oz. 9.75 : 10.25
Citrine Ointment, see Mercury	Casting, c/l NY .....100lb : 13.37	Dimethylaniline, 840lb drs. wks. lb. : .35 : .36
Coal Tar, See Tars	Carbonate, 400lb bbls.....lb .16 : .16 1/2	Dimethylsulfate, 100lb drs.....lb : .50
Cobalt metal, 100lb kegs.....lb 2.50 : 3.00	Chloride, 250lb bbls.....lb : .28	Dinitrobenzene, 400lb bbls.....lb .16 : .17
Cobalt Oxide, 500lb bbls.....lb : 2.10	Cyanide, 100lb drs.....lb .45 : .46	Dinitrochlorobenzene, 400lb bbls. lb. : .18 : .19
10lb tins, 200lb cases.....lb : 2.45	Iodide, 5lb bot.....lb : 5.65	Dinitronaphthalene, 350lb bbls. lb. : .32 : .34
COCAINE alk., USP, 1 oz. vial.....oz. : 10.00	Oxide, red 1600lb bbls. ton lots lb. : 16 1/2 : .17	Dinitrophenol, 350lb bbls.....lb .32 : .35
Hydrochloride, USP—1 oz. vials, 25 ozs. ....oz. : 7.07	Sub-Acetate, verd. 440lb bbls. lb. : .23 : .28	Dinitrotoluene, 300lb bbls.....lb .19 : .20
In 1/2 oz. vials.....oz. : 7.50	SULFATE crys. 450lb bbls. lb. : 4.75 : 4.90	Dionin, see Morphine, Ethyl
In crystals, granular, powder, or flaky crystals as desired.	spot .....100lb 4.75 : 4.90	Diphenylamine, 250lb bbls.....lb .48 : .50
Cocoa Butter, bulk, 200lb bales. lb. : .26 : .26 1/2	Carlota, bbls., f.o.b. NY 100lb 4.60 : 4.70	Diphenylguanidine, 170lb bbls.....lb 1.10 : 1.15
Fingers, cakes, etc. 12lb bxs. lb. : .31 : .33	Carlota, bbls. delivered 100lb 4.75 : 4.90	Dover's Powder, USP 5lb tins.....lb 2.20 : 2.30
CODEINE, alk., 1 oz. vial. 10 oz. lots .....oz. : 9.27	Imp. 550lb cks spot.....100lb : 4.40	Dubolsine Sulfate, 1 oz. vial.....oz. : 30.07
Hydrobromide, 1 oz. vial. 10 oz. lots .....oz. : 7.42	Powdered, 350lb 5 bbls.....lb 5.50 : 5.75	EARTH, Diatomaceous, see Kieselguhr
Hydrochloride, 1 oz. vial. 10 oz. lots .....oz. : 8.27	Coppers, bulk c/l wks.....ton : 15.00	Emetine, alk., 15 gr. vial.....oz. : 1.30
Nitrate, 1 oz. vial. 10 oz. lots.....oz. : 8.27	200lb bgs. c/l wks.....ton : 18.00	Ethyl chloride, USP 1 oz. vial.....oz. 17.00 : 17.50
Phosphate, 1 oz. vial. 10 oz. lots .....oz. : 6.97	400lb bbls. c/l wks.....ton : 20.00	15 gr. vials.....oz. : .75
Salicylate, 1 oz. vial. 10 oz. lots .....oz. : 6.97	Powdered, bbls.....100lb 1.90 : 2.00	EPSON SALT, tech. 300lb bbls. NY .....100lb : 2.15
Sulfate, 1 oz. vial. 10 oz. lots.....oz. : 7.42	Sugar, 400lb bbls.....100lb 1.25 : 1.35	Bbls. c/l NY.....100lb : 2.00
Small Sizes, 1/2 oz. vials, 50c extra, 1/4 oz. 30c extra, singles 7c extra per oz.—25 oz. lots, 10c oz. cheaper than above. Less than 10 ozs. 15c oz. higher than above.	Corn Syrup, 42 deg. 50 gal. bbls.....100lb : 4.26	100lb bgs., c/l NY.....100lb 1.70 : 1.75
COD LIVER OIL, Norwegian, 30 gal. bbls. ....bbl 23.00 : 23.50	43 deg. 50 gal. bbls.....100lb : 4.31	Imp., 220lb bgs. c/l NY .....100lb : 1.40
Newfoundland, 30 gal. bbls. bbl : .	44 deg. 50 gal. bbls.....100lb : 4.38	USP, 300lb bbls. 10 bbls. 100lb : 2.50
Colchicine alk USP 1 oz. vial.....oz. : 15.07	45 deg. 50 gal. bbls.....100lb : 4.45	Carlota, bbls. ....100lb 2.10 : 2.15
Salicylate, 1 oz. vial.....oz. : 15.07	Corn Sugar, see Glucose	Imported, 400lb bbls.....100lb : 2.00
Celodion USP 80lb drums.....lb : .32	Cotton Soluble, 100lb bbls. wet. lb. : 40 : 42	100lb kegs .....100lb : 2.25
	Coumarin, 25lb tins.....lb 3.25 : 3.45	Ergotin, Bonjean, 1lb jars.....lb 6.00 : 6.35
	Second Hands .....lb 3.25 : 3.30	Eserine alk., 1 oz. vial.....oz. : 24.07
	CREAM TARTAR, USP, 300lb bbls. ....lb .21 1/4 : .21 1/2	Salicylate, USP 1 oz. vial.....oz. : 16.07
	Imp. powd. USP, 224 bbls.....lb .20 : .20 1/2	Sulfate, USP VIII, 1 oz. vial.....oz. : 11.07
	Creosote, USP, 42lb clys.....lb .42 : .45	ETHER, USP 55lb drums.....lb : .13
	Carbonate, 1lb bot. 25lb .....lb 1.70 : 1.80	Anesthesia, 55lb drums.....lb : .16
	Creosote Oil, 50 gal. drs.....gal .26 : .30	USP, 1880 55lb drums.....lb : .40
	Cresol, USP, 400lb drums.....lb .22 : .23	Washed, 55lb drums.....lb : .32
	Cyanamide, bulk c/l wks Amm. unit 1.90 : 2.00	Nitor, 1lb cans .....lb .24 : .27
	DIAMINOPHENOL, 100lb kegs.....lb : 3.80	Ether, Nitrous, 1lb bot.....lb .92 : .95
	Dianisidine, 100lb kegs.....lb 4.00 : 4.50	Phyl Benzyl Aniline, 300lb drs. lb. : 1.35
	Dichlorobenzene, 1000lb drs.....lb .06 : .07	
	Diethylaniline, 850lb drs.....lb .58 : .65	
	Diethyl Phthalate, 25lb cans.....lb .50 : .55	
	1000lb drs.....lb .40 : .45	



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## Chemicals

Amyl Acetate, 99%, 50 gal. drs. gal	1.15	1.18	Gelatin, USP silver lbl. 100 lb. cs. lb	.78	.82	Hydrastinine Hydrochloride, USP 15 gr. vials	1.60
85% Ester, 100 gal. drs. gal	..	.95	Gold Label, 100 lb. cases	..	..	Hydrobenzene 100 lb. kgs.	..
Carlots, drums	..	.92	Technical, 100 lb. cs.	.60	.65	HYDROGEN PEROXIDE, 25 vol. 400 lb. bbls.	..
Tanks Cars	..	.90	CLAUSER'S SALT, tech. 300 lb. bags	1.15	1.25	100 vol. 145 lb. cys.	.38
Refined, drums	1.77	1.80	350 lb. bbls. c/l wis.	..	1.25	USP Soln. 375 lb. bbls.	.05
Bromide 115 lb. drs.	..	.40	Bbls. 1c/1 wis.	1.30	1.65	100 vol. 145 lb. cys.	.48
Chloride, 15 lb. cyl.	..	.35	Imported, bbls., spot.	.85	.90	USP tot. 4 oz. cases	8.00
Methyl Ketone, 50 gal. drums	.35	.35 1/2	USP, 300 lb. bbls. imp. sp. 100 lb.	..	1.25	Bot. 8 oz. cases	11.75
Morphine, see Morphine, Ethyl	..	..	USP, 300 lb. bbls. dom. sp. 100 lb.	..	1.75	Bot. 16 oz. cases	19.75
Ethylene Bromide, 600 lb. drs.	..	.60	USP, 300 lb. bbls. c/l wis. 100 lb.	..	1.40	Hydroquinone, 100 lb. kgs.	1.40
Glycol	.65	1.00	Calcined, see Sodium Sulfate	..	..	Hyocine Hydrobrom. USP 1 oz. vial	9.57
Chlorhydrin, anhyd. 50 gal. drs.	.75	.85	Glucose, (Grape Sugar) dry, 100 70° bags, c/l NY.	4.29	4.54	Five ozs., 1 oz. vials	8.00
40% Solution, 50 gal. bbls.	.35	.30	Syrup, Drs. & bbls. c/l NY 100 lb.	4.28	4.45	Hyocyanine Alk. Cryst., 1 oz. vial	20.07
Dichloride, 50 gal. drs.	.20	.25	Bbls. 1c/1 NY	4.36	4.55	Alkaloid, Amorphous, 1 oz. vial	15.07
Ethylideneaniline	..	.70	GLUE, pure white, bbls.	.22	.28	Hydrobromide, USP 1 oz. vial	25.07
Eucalyptol, 25 lb. cans	.75	.80	Medium white, bbls.	.20	.24	Sulfate, 1 oz. vial	20.07
Feldspar, bulk	20.00	25.00	French, bbls.	.18	.35	INDOL, C. P., 1 oz. bot.	6.00
FERRIC CHLORIDE, tech. crys.	..	..	High Grade, bbls.	.35	.40	Iodide, see Potass. Iodide, etc.	..
475 lb. bbls.	..	.07	Bone, regular, bbls.	.10	.12	IODINE, crude, 200 lb. kgs.	3.79
Imported	..	.06 1/2	Fish, bbls.	1.50	1.75	Resublimed, 10 lb. jars	4.40
USP, crys. 100 lb. kgs.	..	.08	GLYCERIN, C. P. 550 lb. drums	.18	.18 1/2	Tincture, USP, 50 gal. bbls.	4.00
Imported	..	.07	Cans, 50 lb.	.19 1/2	.20 1/2	Carboys	4.30
Neut. Sol'n 40° 140 lb. cys.	..	.06	Dynamite, 100 lb. drs.	.17 1/2	.17 1/2	Iodoform, powd. 10 lb. bot.	5.35
48°, 140 cys.	..	.08	Saponification, tanks	.17 1/2	.17 1/2	Crystals, 10 lb. bot.	6.35
USP Sol'n 125 lb. cys.	..	.05 1/2	Soap, Lye tanks	.11 1/2	.12	Iridium, metal 100z lots	260.00
Ferrous Chloride, crys. tech.	..	..	Gum Powder, see chrysarobin	15.00	35.00	Iron, metal by hydrogen 1 lb. bot.	.80
475 lb. bbls.	.06	.06 1/2	Graphite, crude 250 lb. bags	.05	.09	IRON & AMM. CITRATE, USP 25 lb. cans	.79
Ferrous Sulfide, 1000 lb. bbls.	2.50	3.00	Flake, 500 lb. bbls.	.04	.05	Green scales, 25 lb. cans	.79
Flake White, see lead, white	..	..	Ground, lump, bbls.	2.35	2.45	Cacodylate, 10 lb. bot.	6.60
Fluorpar, 95% 220 lb. bgs. ex-dock	..	25.00	Guaiacol Liquid, USP, 25 lb. cans	..	18.00	Citrate, USP VIII 25 lb. cans	.99
96% bgs.	..	33.50	Benzonate, 1 lb. bot.	4.60	4.75	Chloride, see ferric or ferrous	..
98% bgs.	..	35.00	Carbonate, 5 lb. boxes	3.60	3.75	Hypophosphite, 5 lb. cans	1.50
FORMALDEHYDE, USP 400 lb. bbls. c/l wis.	..	.09	Second Hands	3.00	3.25	Syrup, USP VIII	.30
Carboys, 100 lb. 1c/1 wis.	..	.10	HAARLEM OIL, Dom. 6 gr. cs. gross	4.00	4.25	Iodide, 5 lb. bot.	.35
Bbls., 400 lb. 1c/1 wis.	..	.09 1/2	Imported, 5 gr. cases	2.75	3.25	Syrup, USP, 5 lb. bot.	.09
Second Hands	..	.09 1/2	Halazone, 5 lb. bot.	..	..	Com'l, bbls.	2.75
Swell Flour	..	.04	Hexamethylenetetramine, USP 100 lb. drums	.75	.77 1/2	Oxalate scales 25 lb. cans	.85
Formanline	..	.50	Imported	.65	.67	Oxide red, Spanish	.08 1/2
Fuller's Earth, 200 lb. bgs. c/l mines	15.00	17.00	Rubber Makers, Impalp. Pd. drs.	.83 1/2	.85	& Ammon. Oxalate 25 lb. bxs.	.42
Imported, 230 lb. bags NY	35.00	40.00	Homatropine Hydrobrom. USP 1 oz. vial	..	14.57	& Potassium Oxalate, 25 lb. bxs.	.45
Furfural, 300 lb. bbls.	.25	.30	Five ozs., 1 oz. vials	..	13.50	& Sodium Oxalate, 25 lb. bxs.	.41
Fusel Oil, refined, 50 gal. drs.	2.75	3.25	Hydrastine Alk., USP, 1 oz. vial	14.00	14.57	Phosphate, USP 25 lb. cans	.79
Crude, 50 gal. drum	1.85	2.00	Hydchloride, USP, 1 oz. vial	..	14.57	Pyrophosphate, USP 25 lb. cans	.84
G SALT, paste 350 lb. bbls. basis 100%	.60	.65	Sulfate, 1 oz. vial	..	16.07	..	..

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**Norvell Chemical Corporation**

Acid Benzoic  
Sodium Benzoate  
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Formaldehyde  
Silver Salts  
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Glycerophosphates  
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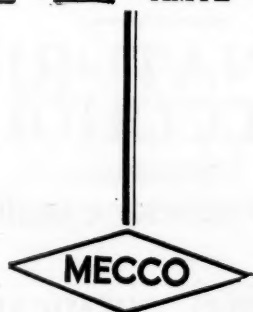
Plants: Terre Haute, Ind. and Peoria, Ill.

## Chemicals

JALAP RESIN, lump 5 lb tins..lb	3.25	3.35	Linalool, 5 lb bot.....lb	6.25	6.75	Manganese—(continued)		
Powd. tins.....lb	3.40	3.50	Litharge, see lead oxide			Glycerophosphate, 5 lb tins....lb	...	3.10
Kapoc, 200 lb double bales....lb	.25	.26	Lithium Carb. USP, 100 lb kgs..lb	1.50	1.60	Hypophos. USP VIII 5 lb cans..lb	...	1.40
†ESELGUHR, 95 lb bags NY...ton	60.00	70.00	Bromide, 100 lb cs.....lb	1.75	1.85	Iodide, 1 lb bot.....lb	...	6.65
ANDLIN, see Adenos Lanar			Citrate, USP, 100 lb kgs.....lb	1.70	1.75	Ore, bulk, NY.....lb	.40	.45
LEAD, metal c/NY.....100 lb	7.75	7.97	Iodide, 5 lb bot.....lb	...	7.50	Sulfate, 600 lb casks NY....lb	...	.08
Acetate, white crystals 500 lb			Lithopone, 400 lb bbls, 1c/1 wks..lb	...	.08%	Marble Flour, bulk.....ton	10.00	12.00
bbls. wks.....lb	...	.14%	Bbls. c/1 wks.....lb	...	.08%	See also Calcium Carbonate		
100 to 250 lb kgs. wks..lb	...	.15	Imported, 400 lb bbls.....lb	...	.05%	MENTHOL, USP, 60 lb cases....lb	...	12.00
White, broken, bbls, wks.100 lb	...	13.90	Litmus Cubes.....lb	.90	1.00	Less cases, 50 lb tins.....lb	...	12.25
White, gran., bbls, wks.100 lb	...	14.15	Luminal, see Phenylethylmalonylurea			Domestic, USP, 60 lb cases....lb	11.50	11.75
White, powd., bbls, wks.100 lb	...	15.25	MAGNESITE, crude.....ton	...	15.00	MERCURY, metal, 75 lb flask..flask	73.00	73.50
Kegs, wks.....lb	...	.15%	Calcined, 500 lb bbls.....ton	...	55.00	Less flasks, 5 lb jugs.....lb	...	1.10
Brown, broken, bbls, wks..lb	...	.13%	Magnesium mtl., sticks 100 lb cs..lb	1.35	1.30	Bichloride, cryst. 25 lb bxs....lb	...	1.13
USP, 100 lb kgs.....lb	...	.16	Carb. tech. 70 lb bags NY...lb	.08	.03%	Gran. powd., 200 lb kgs....lb	...	.98
Arsenate, 100 lb bbls, 1c/1 wks..lb	.21	.26	75 lb bbls. NY.....lb	.09%	.10%	Bisulfate, 25 lb boxes.....lb	...	.96
Bbls. c/1 wks.....lb	.19	.20	USP, 60 lb bbls.....lb	.12	.14	Blue Mass, 25 lb boxes.....lb	...	.66
Paste, 100 & 600 lb bbls..lb	.10	.15	USP, blocks 100 lb cs. 1, 2, 4	...	.19	Powdered, 25 lb boxes.....lb	...	.69
Iodide, USP VIII 5 lb bot..lb	3.20	3.40	oss.....lb	...	.23	Blue Ointment, USP 25 lb cans	...	.81
Nitrate, 500 lb bbls, wks....lb	...	.12	Chloride, fused 575 lb drs. c/1	...	24.00	50%.....lb	...	.61
Oxide, lithge, 500 lb bbls....lb	...	.10	wks.....ton	...	26.00	USP, dilute 25 lb cans 30%..lb	...	.69
100 lb kgs, wks.....lb	...	.14%	Flaked, 350 lb drs. wks c/1 ton	...	26.00	33 1/4% Mercury.....lb	...	1.22
Oxide, red 500 lb bbls, wks..lb	...	.10%	Imp., fused 900 lb bbls NY..ton	26.00	28.00	Citrine Ointment 25 lb jars..lb	...	.51
100 lb kgs, wks.....lb	...	.14%	Floosilicate, crystals 400 lb bbls	.12	.15	Iodide, green 25 lb jars.....lb	...	4.10
Peroxide, 100 lb drs.....lb	.25	.30	wks.....lb	.07	.07%	Red, USP 25 lb jars.....lb	...	4.20
White, basic carb. 500 lb bbls	...	.09%	30% soln. 500 lb bbls, wks..lb	...	.06	Yellow, USP VIII 25 lb jars..lb	...	1.68
Bbls. c/1 wks.....lb	...	.09%	Soln. bbls. c/1 wks.....lb	...	3.40	Oxide, Yellow, USP, 25 lb. bxs..lb	...	1.98
100 lb kgs wks.....lb	...	.14%	Glycerophosphate, 5 lb tins....lb	...	1.05	Red Precip. USP, 25 lb bxs....lb	...	1.49
White, sulfate 500 lb bbls, wks..lb	...	.09%	Hypophosphite, 5 lb cans.....lb	...	.42	Powder, USP 25 lb bxs.....lb	...	1.34
Bbls. c/1 wks.....lb	...	.09%	Oxide, USP light 100 lb bbls..lb	...	.50	White Precip. USP 25 lb bxs..lb	...	1.39
Licorice Ext. Mass, cases.....lb	.25	.26	USP, heavy 250 lb bbls.....lb	...	2.40	With chalk, USP 25 lb bxs....lb	...	.70
Compound powder, bbls.....lb	.11	.13	Peroxide, 5 lb cans.....lb	...	2.62	Meta-Nitraniline.....lb	.70	.80
Powdered.....lb	.38	.40	Perborate, 1 lb tins.....lb	...	.70	Meta-Nitro-para-Toluidine, 300 lb	...	2.20
Sticks, 1 oz. 100 lb cases....lb	.45	.50	Salicylate, 100 lb kgs.....lb	.70	.75	bbls.....lb	.90	.95
LIME (Salts, see Calcium Salts)			Sulfate, see Epsom Salts			Meta-Phenylenediamine, 300 lb	...	.82
Live, 325 lb bbls, ton lots, wks..lb	...	.01%	Manganese Chloride, 600 lb csk.	...	.09%	bbls.....lb	.82	.85
Single bbl, wks.....lb	...	.01%	NY.....lb	...	.24			
Hydrated, 167 lb bbl, ton lots,	...	.01%	Borate, 30%, 200 lb bbls....lb	...	.25			
wks.....lb	...	.01%	100 lb kgs.....lb	...	.80-.84%			
Single bbl, wks.....lb	...	.01%	Dioxide, 80-84% 900 lb bbls.	...	60.00			
Oyster Shell, 150 lb bbl, single..lb	...	.03%	NY.....ton	85.00	85.00			
125 lb bag.....lb	...	.03%	85-90%, 900 lb bbls. NY..ton	85.00	90.00			
Sulfur, dry 200 lb drs. NY....lb	...	.08%	Hydrated, precip. 100 lb kgs..lb	.15	.20			
Drs. c/1 NY.....lb	...	.08						
33° Soln. 50 gal. bbls, NY.gal	.15	.16						

## ACETATES

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## Chemicals

METHANOL (Wood Alcohol)				Musk Ambrette, 1 lb cans.... lb				15.00	: 16.00	Ortho-Toluidine, 350 lb bbls.... lb				.14	: .15
95%, tanks	gal	...	.87	NAPHTHA, Solvent, 110 gal. dr.						Oxgall, USP, 5 lb bot.... lb				2.00	: 3.00
Drums, c/1	gal	...	.70	wks.				.30	: .31	Purified, 5 lb bot.... lb				1.50	: 2.50
Drums, 1c/1	gal	...	.72	8000 gal. tank cars wks. gal				.25	: .28	Crude, 5 lb bot.... lb				.80	: 1.25
97% tanks	gal	...	.69	NAPHTHALENE, Flake, 175 lb bbls.						PALLADIUM, metal 10 oz. lots... oz				75.00	: 76.00
Drums, c/1	gal	...	.72	wks.				...	: .05 1/4	Pancreatin, USP 5 lb bot.... lb				1.25	: 1.40
Drums, 1c/1	gal	...	.74	Bbls., c/1 wks.				...	: .05	Papain, 10 lb bot. USP, Powd.... lb				2.15	: 2.25
Pure, Acetone free, 1 lb.	gal	...	.75	Bbls., second hands NY.... lb				.05	: .05 1/2	Crude, 150 lb cases.... lb				1.80	: 1.85
Drums, c/1	gal	...	.77	Balls, 250 lb bbls. wks.				...	: .06	Paraffin, ref'd 200 lb ca. slabs					
Drums, 1c/1	gal	...	.80	Bbls., c/1 wks.				...	: .05 1/4	123-137 Deg. M. F..... lb				.05 1/4	: .06
Bbls. incl. 5c higher				Bbls., second hands NY.... lb				.05 1/4	: .06	128-132 Deg. M. F..... lb				.05 1/4	: .06 1/4
Methyl Acetone, 100 gal. drums gal	.75		.80	Crushed, chipped, bgs., wks.				.04 1/4	: .05	133-137 Deg. M. F..... lb				.06 1/4	: .07
Tanks, cars	gal	.70	.75	Crude, imp., bags.... lb				.02 1/4	: .03	138-140 Deg. M. F..... lb				.07 1/4	: .07 3/4
Chloride, 90 lb cysl.... lb	..		.50	Nickel Metal, electrolytic 100 lb						wks.					
Salicylate, USP, 50 lb cases.... lb	..		.47	kegs				..	: .30	Para-Aminoacetanilid, 100 lb					
500 lb drums	..		.45	Ingot, 100 lb kegs.... lb				.29	: .32	kegs				1.10	: 1.15
Second Hands, cases.... lb	.44		.45	Salt, single 400 lb bbls. NY.... lb				.11	: .12	Para-Aminophenol, 100 lb kegs.... lb				1.15	: 1.25
Methylene Blue, tech. 100 lb kegs.... lb	1.25		1.50	Double, 400 lb bbls. NY.... lb				.10	: .11	Hydrochloride, 100 lb keg.... lb				1.35	: 1.40
USP, medicinal 5 lb cans.... lb	2.00		2.30	Oxide, 100 lb kegs NY.... lb				.40	: .42	Para-Dichlorobenzene, 150 lb bbls.					
Michler's Ketone, 225 lb bbls.... lb	..		3.75	Sulfate, 450 lb bbls.... lb				..	: .07	wks.				.17	: .20
Milk, powd. 150 lb bbls.... lb	.14		.15	Nicotine, Free 40%, 8 lb tins.... lb				1.35	: 1.90	25-50 lb kegs				.13	: .23
Milk Sugar, see sugar of milk				Sulfate, 10 lb tins, 40%.... lb				1.05	: 1.25	Paraldehyde, 100 gal. drs.... lb					
Mineral Oil, see oil mineral				Nitro Cake, bulk wks.... ton				5.50	: 6.00	Paraformaldehyde, USP 100 lb ca. lb				.43 1/4	: .40
Mineral Rubber	ton	35.00	: 75.00	500 lb bbls.				13.00	: 14.00	Para-Nitroacetanilid, 300 lb					
Monooacetone, 100 gal. drums.... lb	..		.50	Nitrobenzene, crude, 1000 lb drs.						bbls.				.55	: .60
Monochlorobenzene, see chlorobenzene				wks.				.09	: .09 1/4	PARA-NITROANILINE, 300 lb bbls.					
Monothyl aniline, 900 lb drs.... lb	1.25		1.50	Redistilled, 1000 lb drs. wks. lb				.09 1/4	: .10 1/4	wks. ton				.68	: .73
Monomethyl para-nitrophenol sulfate				Nitronaphthalene, 550 lb bbls.... lb				.20	: .21	Para-Nitrochlorobenzene, 1200 lb drs.					
100 lb drs.... lb	3.95		4.20	Nitrobenzene, mixed 1000 lb drs.						wks.				.20	: .30
MORPHINE Sulfate, USP 5 oz. tins				wks.				.14	: .15	Para-Nitro-ortho-Toluidine, 300 lb					
10 oz. tins.... oz	..		6.95	Ochre				..	: .03 1/4	bbls.				2.75	: 2.85
Acetate, 5 oz. tins 10 oz. lots... oz	..		6.95	Oil Fuel, see Fuel Oil						Para-Nitrophenol, 185 lb bbls.... lb				.55	: .60
Hydrobromide, 5 oz. tins 10 oz. lots	..		6.95	OIL MINERAL, wh. 50 gal. bbls. gal				1.00	: 1.25	Para-Nitrosodimethylaniline, 120 lb					
Hydride, 5 oz. tins 10 oz. lots	..		6.95	Oil Mirbane, see nitrobenzene						bbls.				..	: .95
Diacetyl Alk., 1/4 oz. via. 10 oz.	..		10.75	Opium, see crude drugs						Para-Nitrotoluene, 350 lb bbls.... lb				..	: .42
Hydride, 1/4 oz. via. 10 oz. via	..		9.75	Orange Mineral, 800 lb casks NY.... lb				..	: .14 1/4	Para-oxo Benzaldehyde, 100 lb					
Ethyl Hydride, 1/4 oz. via. 10 oz.	..		10.95	500 lb bbls. NY.... lb				2.40	: 2.50	kegs				1.50	: 1.60
Small Sizes: 1/4 oz. vials, 50c extra; 1/4 25c extra; single oz via., 7c extra, over price for 5 oz. tins. 25 oz. lots in 5 oz. tins, 10c oz. lower than above schedule. Less than 10 oz. lots 15c oz. higher than above schedule.				Ortho-Aminophenol, 50 lb kegs.... lb				..	: 3.00	Para-Phenidol, 500 lb drs.... lb				1.55	: 1.60
				Ortho-Dichlorobenzene, 1000 lb drs.						Para-Phenylenediamine, 350 lb					
				wks.				.06	: .08	bbls.				1.35	: 1.40
				Ortho-Nitrochlorobenzene, 1200 lb						Para-Toluene-Sulfonamide, 175 lb					
				dr. wks.				.35	: .40	bbls.				.40	: .41
				Ortho-Nitrophenol, 350 lb drs.				..	: 1.00	Para-Toluene-Sulfonchloride, 410 lb					
				Ortho-Nitrotoluene, 1000 lb drs.						bbls. wks.				.13	: .30
				wks.				.08	: .09	Para-Toluidine, 350 lb bbls. wks.... lb				.78	: .80



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<b>PARIS GREEN</b>			Piperazine Hydrate, 1 lb bot....D ... : 16.00			<b>POTASSIUM—(Continued)</b>		
Arsenic Basic, 500 lb kegs...D	.25	: .30	Piperidine, 25 oz.....oz	1.10	: 1.25	Chlorate, crys, 112 lb kgs. e/l		
Kegs, 100 lbs.....D	.32	: .33	Pitch, Coal-Tar, wks.....ton	24.00	: 26.00	wks.....D	.08%	: .08%
Kits, 56, 28, 14 lbs.....D	.34	: .35	Plaster Paris, tech 250 lb bbls.bbl	...	: 3.30	Imp, 112 lb kegs NY....D	...	: .06%
Packages, 5 and 2 lbs.....D	.36	: .37	True Dental, 300 bbls....bbl	...	: 4.50	Powd., 112 lb kegs wks....D	.08%	: .09
Packages, 1 lb, 1/2, 1/4 lb....D	.39	: .43	Platinum, metal soft 10 oz. lots..oz	...	: 118.00	Imp., kegs NY.....D	...	: .07
Paris White, see whitening, French			Podophyllin, 5 lb bot.....D	5.75	: 6.00	Pyrotechnic, fine powd. NY..D	...	: .08%
Pepetin, USP 5 lb bot.....D	2.25	: 2.50	Second Hands.....D	5.65	: 5.70	USP, fine crys. 110 lb kegs		
PETROLATUM, green 300 lb bbls.D	.02 1/4	: .03	POTASH, CAUSTIC, solid 88-92%			NY.....D	.08	: .09
Dark Amber, 300 lb bbls....D	.03 1/4	: .04	700 lb drs. wks.....D	...	: .07 1/4	Citrate, USP 10 lb cans.....D	.63	: .66
Light Amber, 300 lb bbls....D	.04 1/4	: .05	Imp., 88-92% 700 lb drs. NY..D	.06 1/4	: .06 1/4	Cyanide 110 lb cases.....D	...	: .65
Cream White, USP 300 lb bbls.D	.07	: .07 1/4	USP, by alcohol 5 lb cans....D	.46	: .48	Glycerophosphate, 75% Soln. 25 lb		
Lily White, USP, 300 lb bbls.D	.09	: .09 1/4	cases.....D	.30	: .35	tins.....D	1.60	: 1.70
Snow White, USP, 300 lb bbls.D	.12 1/4	: .13	POTASSIUM Acetate, USP, 100 lb			Gualacol Sulfonate, 5 lb cans,		
Phenol, see also acid carbollic			kegs.....D	.29	: .30	10 lb.....D	2.00	: 2.25
Makers, 900 lb drums, wks....D	.24	: .25	Bicarbonate, crys. 320 lb bbls..D	.10 1/4	: .11	Hypophosphite, 10 lb cans....D	.80	: .85
Small drums, 100-240 lb....D	.25	: .27	Bichromate, crys. 900 lb casks..D	.09	: .09 1/4	Iodide, USP, 100 lb cases....D	3.60	: 3.65
Open market, drs.....D	...	: .25	Powd., 900 lb casks wks....D	...	: .12	Second Hands, cases.....D	3.50	: 3.60
240 lb des. drs. wks....D	...	: .25	Binoxalate, 300 lb bbls.....D	.25	: .28	Lactophosphate, 400 bot.....oz	...	: .90
Natural, 240 lb des drs. wks..D	...	: ...	Import, 112 lb keg.....D	...	: .18	Metabisulfite, 300 lb bbls....D	.18	: .20
Imported, 336 lb des drs.....D	...	: ...	Bisulfate, C.P., 5 lb cans....D	...	: .30	Imp., 550 lb bbls....D	.10	: .12
Phenolphthalein, USP, 100 lb drs.D	1.30	: 1.40	100 lb kegs.....D	...	: .32	Muriate, 80%, 200 lb bags. NY		
5 lb cans, 100 lb lots.....D	1.40	: 1.50	Bromate, 100 lb cs.....D	...	: .75	K <sub>2</sub> O unit	...	: .61 1/4
Phenyl-Alpha-Naphthylamine 100 lb			<b>BROMIDE</b> , USP, cryst. 450 lb			Nitrate, see Saltpetre		
kegs.....D	...	: ...	bbls.....D	...	: .38	Oxalate, neutral, 100 lb kegs..D	.35	: .40
Phenylethylalcohol, 1 lb bot....D	6.75	: 8.75	Granular, 300 lb bbls....D	...	: .38	Perchlorate, 112 lb kegs.....D	.09 1/4	: .10
Imported.....D	7.75	: 9.75	Cases, 100 lb.....D	...	: .39	<b>PERMANGAN</b> , USP, crys. 500 lb		
Phenylthiohydantoin, oz. pks....oz	...	: 5.50	Imported, USP, 220 lb cs....D	.24	: .26	& 100 lb drs. wks.....D	.14	: .14 1/4
Phosgene, 100 lb cylinders.....D	...	: 1.00	<b>CARBONATE</b> , 80-85% calc.			Imp. 112 lb drs.....D	.13 1/4	: .14
Phosphorus Oxchloride, 175 lb cyl.D	.35	: .40	800 lb cks.....D	.05 1/4	: .05 1/4	Prussiate, red, 100 lb bbls..D	...	: .43
Phosphorus, red 110 lb cs. wks..D	...	: ...	80-85%, hydrated, 800 lb			500 lb casks.....D	.38	: .40
Imported, 112 lb cases....D	.75	: .85	cks.....D	.05 1/4	: .06	Prussiate, yellow, 500 lb casks..D	.18	: .18 1/4
Yellow, 110 lb cs. wks.....D	.35	: .37 1/4	90-95% calc. casks.....D	.05 1/4	: .06	Sulicylate, 25 lb cans.....D	.60	: .65
Imported, 112 lb cases....D	...	: ...	96-98% calc. casks.....D	.05 1/4	: .06 1/4	Sulfate, 200 lb bags. NY.K <sub>2</sub> O unit	...	: .85
Phosphorus Trichloride, 175 lb cyl.			99% calc. casks.....D	.07	: .07 1/4	USP, VIII, 100 lb kegs....D	.15	: .18
wks.....D	...	: .45	USP, 100 lb kegs.....D	.12 1/4	: .13	Sulfoeyanide, CP 25 lb jars....D	...	: .50
Phthalic Anhydride, 100 lb bbls.D	...	: .30	99% CP casks.....D	.12	: .12 1/4	Tartrate, neutral, 100 lb kegs.D	...	: .51
Pilocarpine Hydrochloride, USP 25 oz.						Titanium Oxalate 200 lb bbls.D	.25	: .30
lots, 1 oz vials.....oz	3.00	: 3.32						
Nitrate, 25 oz.....oz	...	: 3.00						
Single ozs.....oz	...	: 3.32						
Alkaloid, 15 gr. vis.....ca	...	: .85						

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 It is possible that trouble in commercial or research work can be  
traced directly to the use of *impure* Phthalic Anhydride.

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**Solvay 58% Soda Ash**

Dense—Light—Extra light (Fluf)

**Solvay 76% Caustic Soda**

Solid—Flake—Ground

**Solvay Super Alkali**

**Solvay Snow Flake Crystals**

**Solvay Laundry Soda**

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**Solvay Tanners Alkali**

**Solvay Tanners Soda**

**Solvay Liquid Caustic Soda**

**Solvay Calcium Chloride 73%—75%**



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## Chemicals

## SODA CAUSTIC—(Continued)

Empt. and spot, Basis 76%	
c/l wks. ....100 lb	... : 3.30
Contract 74% low grade c/l	
wks. flat ....100 lb	... : 3.03
Ground & flake, 76% pmpt. and	
spot, wks c/l drs. ....100 lb	... : 3.60
Contract, 76% drums, c/l wks	
flat ....100 lb	... : 3.50
USP, stick, 10 lb cans. ....D	... : .31
Pure, stick, by alcohol. ....D	... : .37

## SODIUM ACETATE, crys. 450 lb bbls

wks. ....D	... : .04½ : .05
Aluminate, 500 lb bbls, wks. ....D	... : .07½ : .08
Aluminum Sulfate, see alum soda	
Arsenite, 4 lb mat. wks. drums gal	... : .50 : .60
Drums, 8 lb material, wks. gal	... : 1.20 : 1.50
Benzoate, USP, 100 lb bbls. ....D	... : .65 : .68
Bicarbonate, 400 lb bbls. NY. 100 lb	... : 2.25
Bbls. c/l wks. ....100 lb	... : 2.00
112 lb kegs wks. ....100 lb	... : 2.35
112 lb kegs. NY. ....100 lb	... : 2.50
Bichromate, 600 lb cans wks. ....D	... : .07½
Casals, c/l wks. ....D	... : .07
Casals, NY. ....D	... : .07½ : .07¾
Bisulfite dry powder, 500 lb	
bbls, wks. ....D	... : .04 : .04½
Solution, 32-40°, 500 lb bbls	
wks. ....100 lb	... : 1.25 : 1.75
Bromate, 100 lb cs. ....D	... : 1.05
BROMIDE, USP, 450 lb bbls. ....D	... : .38
Cases, 50 lb ....D	... : .39
Imp. USP, 112 lb cs. ....D	... : .30 : .32
Cacodylate, USP, 5 lb. bot.	
25 lb ....D	... : 5.50 : 5.90
Carbonate, sal soda, 350 lb bbls	
lc/l NY ....100 lb	... : 1.30 : 1.35
Works c/l ....100 lb	... : 1.10 : 1.30
Monohydrate, 400 lb bbl.	
lc/l NY ....100 lb	... : 2.40
Pure photographic, 100 lb	
kg ....D	... : .06 : .08
Chlorate, 112 lb kegs, wks. ....D	... : .06½
Imported, 112 lb kegs. ....D	... : .06½

## SODIUM—(Continued)

Chloride, tech. 200 lb bags.....ton	12.00	: 13.00
C. P., 300 lb bbls.....D	.05	: .06
Chromate, 800 lb bbls.....D	..	: .08
Citrate, USP, IX, 100 lb kegs.....D	.62	: .66
USP, VIII, 100 lb kegs.....D	.55	: .59
Cyanide, 96-98%, 100 lb cases		
wks.....D	..	: .22
Ton lots, wks.....D	..	: .22
73-76%, 100 lb cases, wks.....D	..	: .19
125-126%, 200 lb cs.....D	.20	: .20½
120-125%, 200 lb cs.....D	.16	: .17
118-126%, 200 lb cs.....D	..	: .18
Fluoride, 300 lb bbls, wks.....D	.08¾	: .09¾
Imp. 350 lb bbls.....D	.08¾	: .08¾
Glycerophos, USP, crys 25 lb		
cases.....D	1.65	: 1.75
Powder, 25 lb tins.....D	1.70	: 1.80
Solution, USP 25 lb tins.....D	1.10	: 1.20
Hydroxide, see Soda Caustic		
Hypochlorite, Soln., 100 lb chys.....D	..	: .05
14¼% soln., 50 lb chys.....D	..	: .04
Hydrosulfite, 200 lb bbls, fob, wks.....D	.23	: .24
For Stripping, 50 lb cans.....D	.35	: .40
Hypophosphite USP 25 lb cans		
by.....D	.70	: .75
HYPOSULFITE, tech. pea crys.		
375 lb bbls, wks.....100 lb	2.65	: 3.05
Bbls. c/l wks.....100 lb	..	: 2.50
100 lb kegs wks.....100 lb	2.75	: 3.35
Imp.....100 lb	2.75	: 3.00
Granulated, bbls. wks.....100 lb	2.90	: 3.30
Bbls. c/l wks.....100 lb	..	: 2.75
Kegs, wks.....100 lb	3.00	: 3.60
Regular crystals.....100 lb	2.35	: 2.65
Iodide, USP, 25 lb jars.....D	4.25	: 4.30
Metazolate, 150 lb bbls.....D	.55	: .70
Naphthionate, 300 lb bbls.....D	.59	: .62
Nitrate, crude, 95%, 300 lb bgs.		
c/l NY.....100 lb	..	: 2.52
Future NY.....100 lb	..	: 2.54
Double Refined 400 lb bbls		
gran. c/l wks.....D	..	: .04½
Nitrite, 500 lb bbls, wks.....D	.08¾	: .08¾
Bbls. spot, makers.....D	..	: .08¾
Imp. 650 lb cases.....D	..	: .09

## SODIUM—(Continued)

Ortho-Chloro-para-Toluene Sulfo-	
nate, 175 lb bbls. wks. ....D	... : .25 : .27
Oxalate, neutral, 100 lb kegs. ....D	... : .39
Perborate, 275 lb bbls. ....D	... : .23¾
Imp., 225 lb drs. ....D	... : .22
Peroxide, 200 lb cases ....D	... : .25 : .27
Phosphate, di-sodium, tech 550 lb	
bbls. ....D	... : .03¾ : .03¾
USP, gran. 275 bbls. ....D	... : .07 : .07¾
Imp. gran. ....D	... : .05¾ : .06
USP, recryst. 275 bbls. ....D	... : .10 : .11
Mono-sodium 100 lb kegs. ....D	... : .24 : .26
Tri-sodium tech. c/l, bbls. ....D	... : .03¾ : .04
Picramate, 100 lb kegs. ....D	... : .60
Para-Toluene Sulfonate, 175 lb	
bbls. ....D	... : .08 : .09
PRUSSIAN, yellow, 250 lb bbls. ....D	... : .09¾ : .09¾
Imp., 450 lb cs. ....D	... : .09¾ : .09¾
Pyrophosphate, 100 lb kegs. ....D	... : .24 : .26
Salicylate, 100 lb kegs. ....D	... : .40
Second Hands, USP, kegs. ....D	... : .37 : .40
Silicate, 60° 700 lb bbls, f.a.s.	
NY ....100 lb	... : 2.00
Works, 1000 lb drums. ....100 lb	... : 1.99
Works, tanks ....100 lb	... : 1.75
40° domestic, 700 lb c/l f.o.b.	
wks. ....100 lb	... : .30
Works, 1000 lb drums. ....100 lb	... : .35
Works, tanks ....100 lb	... : .75
Spot, drums, bbls. ....100 lb	... : 1.05 : 1.30
Silicofluoride, 450 lb bbls, NY. ....D	... : .06
Sulphate, see Glauber's Salt	
Sulfate, Anhydrous, 550 lb bbls,	
c/l ....D	... : .03¾ : .05
Sulfide, 60% solid, 650 lb drs.	
lc/l wks. ....D	... : .04¾ : .05
Dr. c/l wks. ....D	... : .03¾ : .04
Imp. 700 lb drs. NY. ....D	... : .04¾ : .05
60% broken, 650 lb drs wks. ....D	... : .04¾ : .05
Imp., 500 lb drs. NY. ....D	... : .03¾ : .04
30% crys. 440 lb bbls, wks. ....D	... : .02 : .02¾
Imp., 400 lb bbls. ....D	... : .02¾ : .03¾
Sulfite, crys. 400 lb bbls. wks. ....D	... : .03¾ : .03¾
Anhydrous, 400 lb bbls. ....D	... : .09¾ : .10



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PRICES CURRENT SECTION



## Chemicals

<b>SODIUM—(Continued)</b>			<b>SULFUR, crude bulk, c/l NY..ton</b>			18.00	19.00	<b>Thiocarbamid, 170 lb bbls. ....lb</b>			.26	.28
Sulfocarbide, USP 100 lb			Crude, f.a.b. mins. ....ton			14.00	15.00	Thymol, USP, 25 lb tins. ....lb			4.00	4.85
kegs. ....lb	.35	.37	Brimstone, 250 lb bags, c/l 100 lb			1.75	1.95	Iodide, 5 lb boxes. ....lb			6.25	6.50
Sulfocyanide, 400 lb bbls. ....lb	.45	.47	Less c/l bags NY. ....100 lb			1.85	2.10	<b>TIN, Metal Straits, NY. ....100 lb</b>			...	52.00
Tungstate, crys. 100 lb kegs. ....lb	.60	.65	Roll, 500 lb bbls, c/l NY.100 lb			...	2.15	American standard, NY. ....100 lb			...	51.87
Anhydrous, kegs. ....lb	...	.75	Less c/l bags NY. ....100 lb			2.20	2.45	99% American, NY. ....100 lb			...	51.50
Solvent Naphtha, see Naphtha			Flour, Heavy, 290 lb bbls, 100 lb			2.50	3.05	Bichloride, 56% soln. 100 lb			...	.14
Spartan Sulfate, USP, 25 lb bulk. ....lb	.30	.40	Light, 100%, 260 lb bbls, 100 lb			2.60	3.15	bbls. wks. ....lb			...	.35 1/2
Single oz. vial. ....lb	...	.47	Rubermakers 100%, 240 lb			...	...	Crystals, 500 lb bbls. wks. ....lb			...	.36
Starch, rice, 140 lb bags. ....lb	.09	.10	bbls, NY. ....100 lb			2.50	3.30	100 lb kegs, wks. ....lb			...	.52
<b>STRONTIUM Bromide, USP, 50 lb</b>			Commercial, 99%, 150 lb bgs.			1.85	1.65	Oxide, 400 lb bbls. wks. ....lb			...	.54
kegs. ....lb	.41	.42	NY. ....100 lb			...	...	100 lb kegs, wks. ....lb			...	.25 1/2
Carb. 600 lb bbls. wks. ....lb	...	.07	For Dusting, 99%, 100 lb			2.00	2.50	Tetrachloride, 1000 lb drs. wks. ....lb			...	1.00
100 lb kegs wks. ....lb	...	.08	bgs. NY. ....100 lb			...	...	Tolidine, 350 lb bbls. ....lb			...	1.10
Iodide, USP, 25 lb jars. ....lb	...	6.00	Flowers, NY. ....100 lb			3.00	3.55	Sulfate, 350 lb bbls. ....lb			...	.26
Nitrate, 600 lb bbls. ....lb	.10	.10 1/2	Precipitated, 125 lb bbls NY. ....lb			.14	.17	Toluene, 800 gal tank cans, wks. gal			...	.31
Imp., bbls, NY. ....lb	...	.09 1/2	Lac, 125 lb bbls NY. ....lb			.07	.10	Toluidine, Mixed, 900 lb drs. wks. ....lb			...	.37 1/2
Sulicylate, USP, 100 lb kegs. ....lb	.70	.75	Sulfur Chloride, red, 700 lb drs.			...	...	Tricetin, 50 gal. drs., wks. ....lb			...	1.06
<b>STRYCHNINE Alkaloid, USP, crys.</b>			wks. ....lb			.06	.07	Triphenol, 100 lb cases. ....lb			...	.90
100 oz. tins. ....lb	...	.61	150 lb chys. wks. ....lb			...	.08	Tryphenylguanidine. ....lb			...	.55
Alk. powd., USP. ....oz	...	.51	Yellow, 700 lb drs. wks. ....lb			.05	.06	Triphenyl Phosphate, 450 lb bbls. ....lb			...	2.50
Acetate. ....oz	...	.68	150 lb chys. wks. ....lb			...	.07	Tripoli, 500 lb bbls. ....100 lb			...	8.75
Glycerophosphate, USP. ....oz	...	.68	Sulfur Dioxide, 100 lb cyl. ....lb			.08	.08 1/2	Tungsten NY. ....Wt. unit			...	.25
Hydrobromide. ....oz	...	.68	Iodide, USP, VIII, 5 lb bot. ....lb			...	4.55	Ultramarine Blue. ....lb			...	.15
Hypophosphite. ....oz	...	.68	Sulfuric Ether, see Ether			...	...	UREA, pure, 112 lb cases. ....lb			...	.49 1/2
Nitrate, USP. ....oz	...	.68	Sulfuryl Chloride, 600 lb drs. ....lb			.75	1.00	VANILLIN, USP, 500 ozs cans. ....oz			...	.50
Phosphate. ....oz	...	.68	TALC, Italian 220 lb bags NY. ....ton			40.00	50.00	Cans, 80 ozs. ....oz			...	.51
Sulfate, USP, crys. powd. ....oz	...	.41 1/2	Refined white, bags. ....ton			60.00	80.00	Cans, 16 ozs. ....oz			...	.44
Saccharinate. ....oz	...	1.75	French, 220 lb bgs, NY. ....ton			30.00	35.00	Second Hand. ....oz			...	.05
Strychnine preparations quoted bases			Refined, white, bags. ....ton			35.00	45.00	Venetian Red. ....lb			...	.35
1000s lots in 1000s tins. Small Sizes:			Dom., crude, 100 lb bags NY. ....ton			13.00	15.00	Verdigria, see Copper Subacetate			...	1.30
1/4 oz vials, 50c extra; 1/2 oz vials, 35c			Refined, 100 lb 'bags' NY. ....ton			16.00	18.00	Vermilion, Amer. 100 lb kegs. ....lb			...	1.85
extra; single ounce vials, 7c extra. Lots			Tar, Coal Gas, Tks, wks. ....gal			.06	.08	English, kegs. ....lb			...	21.00
of 25 ozs. 5c higher than above			Coke Ovens Tks, wks. ....gal			.07	.08	Veratrine Sulfate, 1 oz vial. ....oz			...	1.20
schedule. Lots of less than 25 ozs.			Water Gas, Tks, wks. ....gal			.06	.08	Hydrochloride, 1 oz vial. ....oz			...	1.85
10c higher per oz.			Tartar Emetic, tech. 700 lb bbls. lb			.26	.28	Veronal, see Acid Diethylbarbituric			...	...
Sugar Coloring, bbls. ....gal	.63	.72	USP, 300 lb bbls. ....lb			.31	.34	<b>WHITE LEAD, see lead, white.</b>			...	...
Sugar Milk USP, 200 lb bbls. ....lb	.22	.23	Terpin Hydrate, USP, 100 lb kegs lb			.60	.62	White Precipitate, see mercury			...	...
Second Hand, USP, bbls. ....lb	.20 1/2	.21	Terpineol, CP 1000 lb drums. ....lb			.43	.50	Whiting, 200 lb bags, c/l wks. ton			13.00	15.00
Sulfonal, see Sulfonmethane			Cans, 50 lb. ....lb			.53	.57	Bags, 1c/l NY. ....ton			...	18.00
Sulfonethymethane, USP, 10 lb bbs. lb	3.85	4.05	Imported, cans, 25 lb. ....lb			.95	1.20	Gilders, bags, NY. ....ton			13.50	15.00
Sulfonmethane, USP, 10 lb bbs. ....lb	2.65	2.85	Terpenyl Acetate, 25 lb cans. ....lb			1.65	1.85	French, bags, NY. ....ton			...	18.00
			Terra Alba, No. 1, 300 lb bbls 100 lb			1.85	1.90	English, bags, NY. ....ton			...	21.00
			No. 2, bbls. ....100 lb			1.25	1.35	Witch Hazel Extract, 50 gal. bbls. gal			1.20	1.25
			Theobromine Alk., 5 lb cans. ....lb			4.00	4.10					
			and Sod. Sulicylate, 1 lb bot. ....lb			...	3.42					

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## Chemicals

<b>XYLENE</b> , 3° dist. range, nitration		
110 gal. drs. wks. .... gal.	.40	.45
5° dist. range, 8000 gal. tanks	.45	.50
wks. .... gal.	.35	.40
110 gal. drs. wks. .... gal.	.40	.45
10° dist. range, drums, wks. .... gal.	.35	.40
Commercial 110 gal. drs., wks. .... gal.	.32	.33
Tanks, wks. .... gal.	.26	.27
<b>Xylidine</b> .... lb.	.40	.45
<b>YARA YARA</b> , 1 lb. tins. .... lb.	1.75	2.00
Yohimbin Hydrochloride, 1 oz. vial. .... oz.	3.00	3.57
<b>ZINC, METAL</b> , high grade, slabs		
c/l NY, 100 lb. .... lb.	8.25	
Common Slabs, c/ NY .... lb.	6.15	6.20
Mossy, 25 lb. bxs NY .... lb.		.14
Ammonium Chloride, powd., 400 lb. bbls. .... lb.	.07½	.08
Carb. tech. 150 lb. kegs NY .... lb.		.23
USP, 100 lb. kegs .... lb.		.33
Chloride, fused, 600 lb. drs. wks. .... lb.		.08
Drs. c/l wks. .... lb.	.04½	.05
Imp. drs. NY .... lb.	.07	.07½
Granulated, 500 lb. bbls. wks. .... lb.		.08½
Imported, drs. NY .... lb.	2.25	2.50
Solution, 50%, tanks wks. .... lb.	.27	.29
USP, 25 lb. jars .... lb.	.36	.37
Cyanide, 100 lb. drs. .... lb.	.09½	.10
Dust, 100 lb. tins wks. .... lb.	.08	.08½
600 lb. casks .... lb.		.08½
500 lb. bbls, kegs, 1c/l wks. .... lb.		.09½
500 lb. bbls, kegs, c/l wks. .... lb.		.08½
Iodide, 5 lb. bbls. .... lb.		.528
Nitrate, 25 lb. jars .... lb.		.45
Oxide, Amer. 300 lb. bbls. wks. .... lb.	.08½	.08
Bbls. c/l wks. .... lb.	.08	.08½
French, 300 lb. bbls wks. .... lb.	.10½	.12½
Bbl c/l wks. .... lb.	.09½	.11½
Bags, c/l wks. .... lb.	.09½	.10½
USP, 100 lb. bbls. c/l. .... lb.		.17
Ton lots. wks. .... lb.		.18
Imported, white seal, bbls. .... lb.		.12
Green seal. bbls. .... lb.		.10
USP, 100 lb. bbls. .... lb.		.19½
Stearate, USP, 50 lb. bbls. .... lb.		.23
Sulfate, 400 lb. bbls, wks. .... lb.	.03½	.03½
Bbls., c/l wks. .... lb.		.03
USP, 100 lb. kegs .... lb.	.08	.09
Sulfocarbonate, 100 lb. kegs. .... lb.	.32	.34

## Oils

Castor, No. 1, 400 lb. bbls. .... lb.	.17	.17½
80 lb. cases .... lb.		.18
No. 3, bbls. .... lb.	.16½	.17
Blown, 400 lb. bbls. .... lb.		.18
China Wood, bbls., spot NY .... lb.	.14½	.14½
Tanks, Spot, NY .... lb.		.14
Aug. Sept. forw. arr. NY bbls. .... lb.	.14	.14½
Sept. forward, arrival NY tanks. .... lb.		.13½
Coast, tanks, Aug. Sept. forw. .... lb.		.12½
Coast, tanks, Oct. forward. .... lb.		.12½
Cst., tics., Nov., Dec. forw. .... lb.		.12
Coconut Ceylon, 375 lb. bbls., NY. .... lb.	.10½	.10½
8000 gal. tanks, NY .... lb.		.09½
Cochin, 375 lb. bbls., NY .... lb.	.11	.11½
Tanks, NY .... lb.		.10½
Manila tanks, P. Coast .... lb.	.09½	.09½
Edible, bbls., NY .... lb.		.11
Cod Newfoundland, 50 gal. bbls. .... gal.	.59	.61
Tanks, NY .... lb.	.55	.57
Copra, bags .... lb.	.05½	.06
Corn, ref., 375 lb. bbls., NY .... lb.		.15½
Crude, tanks mills .... lb.		.11½
Bbls., NY .... lb.		.13½
Cottonseed, crude lbs., mill. .... lb.		.11½
P. S. Y., 100 bbls., lots, NY. .... lb.		.14½
White, 100 bbls. lots, NY. .... lb.		.15½
Winter yellow, 100 bbls., NY. .... lb.		.16
Degras, Amer. 50 gal. bbls., NY. .... lb.	.04½	.04½
English, light, bbls., NY .... lb.		.05½
Dark, bbls., NY .... lb.	.04½	.04½
Neutral, bbls., NY .... lb.	.10	Nom.
Macellon, bbls., NY .... gal.		.50
Greases, choice white, bbls., NY. .... lb.	.11½	.12
Yellow .... lb.		.07½
Brown .... lb.		.07½
House .... lb.		.07½
Bone naphtha .... lb.		.06½
Herring, Tanks, Coast .... gal.		Nom.
Horse, 375 lb. bbls., NY .... lb.		Nom.
Lard, prime steam bbls. .... lb.	.14½	.15
Compounds, bbls. .... lb.	.15½	.15½

<b>LARD OIL</b> , Edible prime, bbls. .... lb.		.16½
Off prime, bbls. .... lb.		.14½
Extra, bbls. .... lb.		.13½
Extra No. 1, bbls. .... lb.		.12½
No. 1 bbls. .... lb.		.11½
No. 2 bbls. .... lb.		.11½
<b>LINSEED</b> , raw c/l bbls., spot. .... gal.		1.02
Five bbls., raw .... gal.		1.05
Bottled, 5 bbl. lots .... lb.		1.07
Double boiled 5 bbl. lots .... gal.		1.08
Raw, 1c/l, bbls. .... gal.		1.05
Tanks .... gal.		.96
Sept., c/l wks. .... gal.	.98	1.00
Oct., c/l wks. .... gal.		.94
Nov., Dec. c/l wks. .... gal.		.90
Imported, bbls. NY .... gal.		
Tanks, NY .... gal.		
Menhaden, crude bbls., wks. .... gal.		
Crude, tanks, Balt. .... gal.	.50	.55
Light strained, tanks .... gal.		
Light strained, bbls., NY .... gal.		.68
Yellow bleached, bbls., NY .... gal.		.71
Extra bleached, bbls., NY .... gal.		.73
Blown, bbls., NY .... lb.		
Neatsfoot, 20° c.t. bbls., NY. .... lb.		.19½
Pure, bbls. NY .... lb.		.15
Extra, bbls., NY .... lb.		.12½
No. 1, bbls., NY .... lb.		.11½
Oleo Oil, No. 1, bbls., NY. .... lb.		.16½
No. 2, bbls., NY. .... lb.		.14
No. 3, bbls., NY .... lb.		.12½
<b>OLIVE</b> , denatured bbls., NY. .... gal.		1.25
Edible, bbls., NY .... gal.	2.00	2.25
Foots, bbls., NY .... gal.	.09½	.10
Shipments .... lb.	.09½	.10
Palm Lagos, 1500 lb. casks. .... lb.		.08½
Niger casks .... lb.		.08
Bonny old Calabar, casks. .... lb.		Nom.
Palm Kernel, bbls., NY. .... lb.		.09½
Peanut, refined bbls., NY. .... lb.		.16
Crude, mills buyers' tks. .... lb.		
Crude, bbls., NY. .... lb.		
Perilla, bbls., NY. .... lb.	.14½	.14½
Poppyseed, bbls., NY .... gal.	2.25	2.50

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Caustic Soda  
Sal Soda  
Glauber's Salt  
Tri Sodium Phosphate  
Sodium Bicarbonate  
Sodium Silicate

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All Tests

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Granular if Desired

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NEW YORKFIRST NAT'L BANK BLDG.  
CINCINNATI

## Oils and Fertilizers

Rapeseed, refined bbls., NY.....gal	.87	.88
town bbls. NY, 8 lbs.....gal	...	1.00
Red Oil, distilled, bbls.....lb	.09½	.09½
Saponified, bbls.....lb	.09½	.09½
Tanks.....lb	...	.08½
Salmon, 8000 gal. tks. Coast.....gal	...	...
Sesame, edible bbls.....lb	.14	.14½
Sod Oil, bbls., NY.....gal	...	.40
SOYA BEAN, crude tks. Coast.....lb	...	.10½
Crude, tks., NY.....lb	.10½	.10½
Crude, bbls., NY.....lb	...	.12½
Refined, bbls., NY.....lb	.14	.14½
Sperm, 36° c.t. bichd. bbls. NY.gal	...	.89
45° cold test, bichd. bbls. NY.gal	...	.84
STEARIC ACID, s.p. 200 lb bags lb	.11½	.11½
Double pressed, bags.....lb	.12	.12½
Double pressed, bgs., saponified lb	.12	.12½
Triple pressed, bgs., distilled.....lb	.13½	.13½
Triple pressed, bgs., saponified lb	.13½	.13½
Stearin, oleo, bbls.....lb	.15½	.16
Tallow, edible, tierces.....lb	...	.10½
City, extra, loose.....lb	.08½	.08½
Tallow Oil, acidless tks. NY.....lb	...	.10½
Bbls., c/l NY.....lb	...	.11½
Walnut, crude bbls. NY.....lb	...	...
Whale, nat. winter bbls. NY.....gal	...	.77
Bichd. winter bbls. NY.....gal	...	.81
Extra Bichd. bbls. NY.....gal	...	.83
Crude, No. 1, tanks Coast.....gal	...	...
Crude, No. 2, tanks Coast.....gal	...	...
Crude, No. 3, tanks Coast.....gal	...	...

### Fertilizer Materials

Blood, dried f.o.b. NY.....unit	...	3.50
Chicago.....unit	...	3.75
Bone, 3 & 50 gr. steam, Chgo.....unit	...	22.00
Raw, NY.....ton	...	30.00
Cyanamide, NY, basis.....unit	1.80	2.00
Fish Scrap, dried wks.....unit	...	3.75
Acid, Bulk 7 & 3½, Deliv. Norfolk & Balt. basis, unit	...	3.25
Steamed Bone Meal, 3 & 50, Balt. ton	...	24.00
Tankage, ground, NY.....unit	3.50	10
High grade f.o.b. Chicago.....unit	4.25	10

Ammon. Sulf., bulk wks.....100 lb	2.45	2.50
Double, bgs., f.a.s. NY.....100 lb	...	2.75
Single bgs., wks.....100 lb	...	2.65
NITRATE SODA, NY, Aug.....100 lb	2.52	2.56
Future, Sept.....100 lb	2.54	2.58
Phosphate Rock, f.o.b. mines	...	...
Florida Pebble, 68%.....ton	...	2.25
Florida Pebble, 70%.....ton	...	2.50
Florida Pebble, 75-74%.....ton	...	3.75
Tennessee, 72%.....ton	...	5.50
Phosphate Acid, 16% Bulk wks. ton	...	8.25
PCTASH	...	...
Pot. Murate, 50% basis, bgs. ton	...	31.10
Pot. Sulfate, 90% basis, bgs. ton	...	41.27
Dbis. Manure Salts, 48% basis bgs.....ton	...	23.72
Manure Salts, 30% basis, bulk ton	...	15.33
Manure Salts, 20% basis, bulk ton	...	9.50
Kainite, 12.4% basis, bulk ton	...	6.50
Bulk in bags, \$2.00 extra.	...	...
Prices c.i.f. Atlantic & Gulf Ports.	...	...

### Naval Stores

(Carloads ex-yard N. Y.)

Spirits Turpentine, bbls.....gal	...	.92
Wood Turpentine, stm. distd. bbls gal	...	.70
Destructive distilled, bbls.....gal	...	.68
Pine Oil, stm. distd bbls.....gal	.66	...
Pitch, prime.....bbl	...	6.00
Rosins, (Sold in 600 lb bbls., gross for net, quotations based on a unit of 280 lb).	...	...
B.....280 lb	...	5.70
D.....280 lb	...	5.90
E.....280 lb	...	6.00
F.....280 lb	...	6.05
G.....280 lb	...	6.05
H.....280 lb	...	6.05
I.....280 lb	...	6.05
K.....280 lb	...	6.05
M.....280 lb	...	6.05
N.....280 lb	...	6.25
WG.....280 lb	...	7.25
WW.....280 lb	...	7.75

Rosin Oil, first run, 50 gals. bbls gal	...	.39
Second run, bbl.....gal	...	.45
Tar, kiln-burnt.....bbl	...	12.00
Retort.....bbl	...	12.00

### Dye and Tan Woods

Barwood, chips.....lb	.04½	.05
Camwood, chips.....lb	.09	.13
Divi Divi, pods, bags,.....ton	42.00	43.00
Fustic, sticks.....ton	30.00	32.00
Chips.....lb	.04	.05
Hemlock, bark.....ton	...	20.00
Hyperic. chips.....lb	.06½	.07
LOGWOOD, sticks.....ton	23.00	27.00
Chips 150 lb bags.....lb	.03	.03½
Mangrove bark, African.....ton	34.00	36.00
Myrobalans, bags 11.....ton	37.00	38.00
R1.....ton	...	...
J2.....ton	...	...
Nutgalls, see Crude Drugs	...	...
Oak bark, whole.....ton	20.00	23.00
Ground.....ton	...	25.00
Quercitron bark, rough.....ton	...	10.00
Ground.....ton	20.00	25.00
Sumac, Sicily, 160 lb bags.....ton	158.00	160.00
Virginia, 150 lb bags.....ton	40.00	45.00
Valonia Cups, 30-31% tan.....ton	32.00	33.00
Beard, 42% tan, bgs.....ton	49.00	50.00
Mixtures, 36% tan.....ton	37.00	38.00
Wattle bark, bgs.....ton	32.85	34.00

### Extracts

Range of prices includes quality range for large quantity.

Anatto, fine.....lb	.26	.29
Archil, double 600 lb bbls.....lb	.13	.14
Triple, 600 lb bbls.....lb	.16	.17
Cone, 600 lb bbls.....lb	.18	.20

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# Tannins and Dyestuffs

Chestnut, clarified, 25% tka. wks. lb.	.01%	.01%	Persian Berries	.27	.30	Crude Drugs		
Bbls., wks.	.02%	.03	QUEBRACHO, 35% liquid tka. lb.	.03	.03%	Acetoides Gum, yel.	.16	.18
Powd., 60% 100 lb bags, wks. lb.	.05%	.05%	450 lb bbls.	.03%	.04	ACONITE Leaves, bales.	.10	.12
Decolorized, bags, wks. lb.	.06%	.07	35% bleaching, 450 lb bbls. lb.	.04%	.05%	Root, USP, bags	.39	.41
Cudbear, English	.18	.20	Solid 65% 100 lb bales.	.04	.04%	Agar Agar, 1, 200 lb bales.	1.45	1.50
Catch, Bangoon, 100 lb bales.	.14	.16	Clarified bales	.04%	.04%	No. 2, bales	.135	.135
Borneo, solid, 100 lb bales.	.04%	.05%	Quercitron, 51° 450 lb bbls.	.07%	.08	No. 3, bales	.120	.120
Liquid, 450 lb bbls.	.07%	.11	Powdered, 100 lb boxes.	.09	.13	Agaric, white, cases	2.45	2.50
Tablets, 120 lb boxes.	.13	.14	Spruce, 25% liquid tanks wks. lb.	.01	.01%	Almonds, bitter bags bxs.	.45	.50
Flavine	.95	1.00	Powd. 50% 100 lb bags wks. lb.	.02	.02%	Sweet, bags	.57	.60
Fustic, solid 50 lb boxes.	.20	.22	Sumac, liquid 450 lb bbls.	.07	.08	Meal, tins, boxes	.24	.27
Crystals, 100 lb boxes.	.20	.22	Stainless, 600 lb bbls.	.11	.12	Aletris Root, bags.	.43	.44
Liquid, 51°, 600 lb bbls.	.10	.14				Alkanet Root, bags	.06	.06%
Gall extract	.16	.18	DIYERS' SUNDRIES			Aloes, Barbadoes, 120 lb bbls.	.65	.70
Gambier, 25% liq. 450 lb bbls.	.11%	.14	Albumen, technical, egg 200 lb cs. lb.	1.25		Cape, 400 lb cases.	.09	.09%
Common, 200 lb cases.	.12%	.13	Blood, 100 lb drs.	.40	.45	Curacao, 100 lb cases	.10	.10%
Singapore cubes, 150 lb bags.	.21	.23	Egg Yolk, Spray, 150 lb cs.	.45	.65	Socotrine, whole 100 lb cs.	.30	.32
HEMATINE, Paste, 500 lb bbls.	.09%	.13	British Gum, 140 lb bags c/1 100 lb	4.72		Select, cakes, lb	.35	.37
Crystals, 400 lb bbls.	.12	.20	Bags, 1c/1	4.82		Althea Root, cut cases.	.22	.24
Hemlock, 25% 600 lb bbls. wks. lb.	.03%	.03%	Dextrin, corn 140 lb bags c/1 100 lb	4.42		Whole bags	.08	.09
Hyperic, 51°, 600 lb bbls.	.16	.18	Bags, 1c/1	4.52		Ambergris, black boxes	8.00	10.00
Indigo, Madras, bbls	.85	.90	Yellow, bags c/1	4.47		Grey, boxes	.02	.26.00
Manila, bbls.	.130		bags, 1c/1	4.57		Ammoniac, tears, bags	.68	.73
Larch, 25%, 600 lb bbls., wks. lb.	.03%	.04	Potato 220 lb bags c/1	.07		Angelica Root, dom. bags	.12	.13
Powd. 100 lb bags, wks. lb.	.07	.08	Bags, 1c/1	.07%		Angostura Bark, bags	.15	.16
Logwood, 51°, 600 lb bbls.	.07	.09	Yellow, 220 lb bags	.07%		Anise, Levant bags	.13	.14
Lower grades	.09	.15	Tapioca, 200 lb bags, 1c/1	.09	.09%	Star, cases	.11%	.12
Solid, 50 lb boxes	.28	.30	Prussian blue	.60	.62	Spanish, bags	.14	.14%
Madder, Dutch	.04%	.05	Sago Flour, 150 lb bags	.04%	.05	Annatto Seed, 200 lb bags	.24	.25
Mangrove, 55% 400 lb bbls.	.04	.05	STARCH, powd. 140 lb bgs. c/1 100 lb	3.97		ARABIC GUM.		
Myrobalans, 25% liquid bbls.	.05	.05%	Bags, 1c/1	4.07		White, No. 1, 200 lb bags	.26	.27
50% solid, 50 lb boxes	.04	.04%	Pearl, 140 lb bags c/1	3.87		Seconds, 250 lb bags	.24	.25
Oak, tanks, wks.	.04	.04%	Bags, 1c/1	3.97		Sorts, amber, 200 bgs. bbls.	.11%	.12
23-25% liq. 600 lb bbls. wks. lb.	.07	.08	Potato domestic, 200 lb bags.	.05%	.06	Powd., USP, 300 lb bbls.	.18	.18%
Ossage Orange, 51° liquid.	.14	.15	Imported, bags duty paid.	.06	.06%	Arca Nuts, 150 lb bags	.09	.10
Powd. 100 lb bags			Tapioca Flour, high grade bags.	.06	.06%	Powd., 200 lb bbls.	.13	.15
			Medium grade bags	.05%	.05%	Arnica Flowers, bales	.08%	.09
			Low grade, bags	.04	.05	Root, bags	.25	.30
			Turkey Red Oil, bbls.	.11	.12	Arrowroot, Amer. powd. bbls.	.10%	.11
			Yolk Oil, bbls.	.35		St. Vincent, powd. bbls.	.15	.16
						Asafoetida, USP, 250 lb cases.	.18	.20
						Powd., 50 lb bxs.	.35	.37
						BALM GILEAD BUDS, bags.	.43	.48
						Balmory Herbs, bales	.14	

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Formic Acid 85%  
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Tartaric Acid cryst.

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## Crude Drugs

BALSAMS											
Copaiba, Para, 80 lb. cs.....	lb.	.32	.34	Cannella Alba Bark, bales.....	lb.	.50	.52	Cinnamon, Ceylon, bales.....	lb.	.26 1/4	.27
South American, 80 lb. cs.....	lb.	.35	.37	Cannabis, true imp. bags.....	lb.	5.75	6.00	Broken, bales.....	lb.	.16	.20
U.S. Canada, cans.....	gal.	11.00	11.50	USP (no assay) bales.....	lb.	.40	.50	Civet, Abyssinia horns.....	oz.	2.75	3.75
Oregon, bbls., cans.....	gal.	1.10	1.20	Cantharides, Chinese, cases.....	lb.	.70	.85	Clover Tops, bags.....	lb.	.19	.21
Peru, 120 lb. cases.....	lb.	1.80	1.90	Powdered, boxes.....	lb.	1.10	1.15	Cloves, Zanzibar, 135 lb. bales.....	lb.	.28 1/4	.29
Tolu, 90 lb. cases.....	lb.	2.00	2.10	Cantharides, Russian, cases.....	lb.	.80	.95	Ambonyas, bales.....	lb.	.31 1/4	.32
Bamboo Brier Root, bags.....	lb.	.05 1/4	.06	Powdered, boxes.....	lb.	1.00	1.10	Penang, bales.....	lb.	.40	.42
Barberry Bark, tree bales.....	lb.	.12	.13	Caraway Seed, African, bags.....	lb.	.12	.12 1/4	Cochineal, USP, boxes.....	lb.	.34	.35
Root, bags.....	lb.	.10	.11	Dutch, 11 lb. bags.....	lb.	.12 1/4	.13	Coca Leaves, Huancayo bags.....	lb.	.10	.11
Bayberry Bark, bales.....	lb.	.10	.12	Cardamom, bleached, cases.....	lb.	1.75	2.00	Truxillo, bags.....	lb.	.10	.11
Wax, bbls.....	lb.	.21	.22	Decorated, cases.....	lb.	1.55	1.60	Cohosh Root, Black bags.....	lb.	.09	.11
Belladonna Leaves, bales.....	lb.	.23	.25	Green, grinding, bags.....	lb.	1.00	1.10	Blue, bags.....	lb.	.11 1/4	.12 1/4
Root, bags.....	lb.	.11	.12	Caruaba Wax, Flor. bags.....	lb.	.45	.46	Colchicum Root, bags.....	lb.	.07	.08
Bees Wax, white cases.....	lb.	.40	.42	No. 1 N Country bags.....	lb.	.33	.35	Seed, bags.....	lb.	.08 1/4	.09
Yellow, refined, cases.....	lb.	.25 1/4	.26	No. 2 N Country bags.....	lb.	.26	.27	Colocyth, apples, cases, bales.....	lb.	.25	.26
Crude, bags.....	lb.	.23	.25	No. 3 Fatty Gray, bags.....	lb.	.19	.20	Pulp, USP, bales.....	lb.	.25	.28
Benzoin Gum, Stam, boxes.....	lb.	1.30	1.35	No. 3 Chalky, bags.....	lb.	.19	.20	Colombo Root, whole bags.....	lb.	.02 1/4	.03
Sumatra, 80 lb. boxes.....	lb.	.22	.25	Cascara Amarga, 150 lb. bales.....	lb.	2.00	2.25	Coltsfoot Leaves, bags.....	lb.	.05	.06
Berberis Aquifolium Root, bags.....	lb.	.13	.14	Cascara Sagrada, bales, 1920-22	lb.	.22	.24	Comfrey Root, bags.....	lb.	.13	.14
Beth Root, bags.....	lb.	.30	.32	bark.....	lb.	.20	.22	Condurango Bark, bales.....	lb.	.35	.38
Bitter Root, 100 lb. bags.....	lb.	.40	.42	1923 bark.....	lb.	.20	.22	Conium Seeds, bags.....	lb.	.12	.14
Blackhaw Bark, root, bales.....	lb.	.35	.36	1924 bark.....	lb.	.15	.16	Copaiba Balsam Para, see Balsams	lb.	.12	.13 1/4
Tree, bales.....	lb.	.16	.18	Cascarilla Bark, quills bales.....	lb.	.11	.12	Copal Gum.....	lb.	.06 1/4	.07
Black Indian Root, 100 lb. bags.....	lb.	.40	.42	Siftings, bbls.....	lb.	.12	.12 1/4	Coriander Seed, Bombay bags.....	lb.	.07	.07 1/4
Blood Root, bags.....	lb.	.14	.15	Cassia Buds, 66 lb. cases.....	lb.	.12	.12 1/4	Morocco, bags.....	lb.	.10 1/4	.11
Blueflag Root, bags.....	lb.	.30	.32	China, Whole Rolls, cases.....	lb.	.10	.10 1/4	Bleached, bags.....	lb.	.04 1/4	.05 1/4
Boldo Leaves, bales.....	lb.	.20	.21	Saigon, assort. bags.....	lb.	.22 1/4	.24	Corn Silk, bales.....	lb.	.12	.14
Bonsect Herb, bales.....	lb.	.08	.09	Cassia Fistula, baskets.....	lb.	.09	.10	Cotton Root Bark, bales.....	lb.	.07	.08
Borage Flowers, bales.....	lb.	.16	.20	Castile Soap, USP, powd., 200 lb	lb.	.30	.32	Cowhage, oz. tins.....	oz.	.30	.32
Bryonia Root, bags.....	lb.	.09	.10	bbls.....	lb.	.03	.03 1/4	Cramp Bark, so-called bales.....	lb.	.07	.08
BUCHU LEAVES, short, 250 lb											
bales.....	lb.	.75	.77	Castor Beans, bags.....	lb.	4.00	4.50	True, bags.....	lb.	.30	.32
Less, bales.....	lb.	.81	.83	Castoreum, 1 lb. bot.....	lb.	.11	.12	Cranesbill Root, bags.....	lb.	.16	.18
Long, bales.....	lb.	.05	.05 1/4	Catechu Gum, bags.....	lb.	.23	.29	CUBEB BERRIES, XX bags.....	lb.	.65	.66
Burdock Root, bags.....	lb.	.13	.15	Catnip Herb, bales.....	lb.	.31 1/4	.32	Powdered, boxes.....	lb.	.68	.70
Burgundy Pitch, dom., 110 lb. stands	lb.	.12	.14	Celery Seed, 220 lb. bags.....	lb.	.10 1/4	.11	Culvers Root, bags.....	lb.	.23	.24
Green for red.....	lb.	.05	.05	Ceruin Wax, white bags.....	lb.	.09	.10	Cumli Seed, Levant bags.....	lb.	.20	.22
Calabar Beans, bags.....	lb.	.33	.35	Yellow, 200 lb. bags.....	lb.	.08	.10	Malta, bags.....	lb.	.24	.24 1/4
Calamus Root, bleached cases.....	lb.	.06	.07	CHAMOMILE FLOWERS, Roman							
Unbleached, bags.....	lb.	.22	.23	bales.....	lb.	.50	.55	Morocco, bags.....	lb.	.21 1/4	.22
Calendula Petals, imp. bales.....	lb.	.25	.26	Hung. cases bales.....	lb.	.07	.07 1/4	Cuttlefish Bone, Trieste, straps.....	lb.	.13	.14
Callisaya Bark, bales, powd.....	lb.	.07 1/4	.08	Charcoal Willow, powd. bbls.....	lb.	.06	.06 1/4	Jewellers, large, straps.....	lb.	.35	.35
Camphor, see Chemicals.....	lb.	.07	.07 1/4	Wood, powd. bbls.....	lb.	.04	.05	Small, straps.....	lb.	.13 1/4	.14
Canary Seed, Morocco bags.....	lb.	.23	.25	Chestnut Bark, bags.....	lb.	.07	.08	French straps.....	lb.	.13	.14
South American, bags.....	lb.	.23	.25	Herb, bales.....	lb.	.06	.06 1/4	Powdered, boxes.....	lb.	.13	.14
Candellia Wax, bags.....	lb.	.23	.25	Chicle Gum, bags.....	lb.	.16	.12	Broken, boxes.....	lb.	.07	.07
				Chinetta, bales.....	lb.	.10	.12	Damar Gum, 136 lb. cases.....	lb.	.24	.25
				Cinchona Bark, red quills bales.....	lb.	.43	.50	Damiana Leaves, bales.....	lb.	.12	.13
				Broken, bales.....	lb.	.21	.25	Dandelion Root, imp. bags.....	lb.	.40	.45
								Peer Tongue Leaves, bales.....	lb.	.11	.12

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Holbrook, Mass.

## Crude Drugs

Digitals Leaves, bales.....lb	.07	.08	Grindelia Robusta Herb, bales...lb	.07½	.08½	LADY SLIPPER ROOT, bags.....lb	.50	.55
Dill Seed, bags.....lb	.06	.07	Guaiac Gum, 80 lb cases.....lb	.40	.42	Larkspur Seed, bags.....lb	1.05	1.10
Dogwood Bark, Jamaica bags.....lb	.10	.11	Guarana, tins, cases.....lb	.60	.65	Laurel Leaves, bales.....lb	.04	.05
American, bales.....lb	.07	.08	GUM, see Arable Gum, etc.			Lavender Flowers, ordinary.....lb	.22	.26
Doggrass Root, USP, cut bags.....lb	.10	.11	HELLEBORE ROOT,			Selected.....lb	.30	.40
Dragons Blood, mass cases.....lb	.60	.65	Black, bbls.....lb	.08	.10	Leeches, tubs.....Per 100	3.50	4.00
Roots, boxes.....lb	.85	.90	Powdered.....lb	.15	.17	Lemon Peel, bags.....lb	.08	.09
ECIMACEA ROOT, bags.....lb	.30	.32	White, Powd., 250 lb bbls.....lb	.11	.12	Licorice Root, Russian, whole.....lb	.07	.07½
Elecampane Root, bags.....lb	.09	.10	Helonias Root, (unicorn false) bags.....lb	.70	.73	Spanish, natural bales.....lb	.08½	.09
Elder Flowers, bags.....lb	.11	.14	Hemp Seed, Manchurian bags.....lb	.03½	.04	Powdered, bbls.....lb	.09	.09½
Elemi Gum, 80 lb cases.....lb	.10	.11	Chilian, bags.....lb	.03½	.04	Selected, 2 & 5 lb bundles.....lb	.14	.17
Elm Bark, select 5 lb bundles cases lb	.25	.26	Henbane Leaves, bales, USP.....lb	.28	.32	Cuttings, 125 lb bags.....lb	.06	.06½
Grinding, bags.....lb	.16	.18	No assay.....lb	.26	.27	Greek, 150 lb bales.....lb	.03	.03½
Powdered, bbls.....lb	.23	.25	Henna Leaves, bales.....lb	.09½	.10	Life Everlasting Herbs, bales.....lb	.05	.06
ERGOT, 150-200 lb bags.....lb	.30	.32	Powdered.....lb	.12	.13	Lime Juice, clarified bbls.....gal	.60	.65
Eucalyptus Leaves, bales.....lb	.05	.06	Honey, Calif., 120 lb cases.....lb	.12	.13	Linden Flowers, with leaves, bales lb	.10	.11
Euphorbia Pilulifera Herb, bags.....lb	.11	.13	Hops, N. Y. prime bales.....lb	.28	.30	Without Leaves, bales.....lb	.17	.19
Euphorbia Gum, cases.....lb	.25	.27	Pacific Coast prime bales.....lb	.25	.27	Liverwort Leaves, bales.....lb	.19	.20
Powdered, boxes.....lb	.40	.42	Horhound Herb, bales.....lb	.10	.11	Lobelia Herb, bales.....lb	.33	.34
Fennel Seed, French, bags.....lb	.10½	.11	Horsetail Rush, bags.....lb	.15	.15	Lobelia Seed, bags.....lb	.62	.63
German, bags.....lb	.16	.18	India Gum, see Karaya			Lovage Root, Imported, bags.....lb	.18	.20
Indian, bags.....lb	.08	.09	INSECT FLOWERS, open whole			Lupulin, boxes.....lb	1.15	1.50
Flax Seed, whole 180 lb bbls.....ca	13.00	13.50	Bales.....lb	.36	.38	Domestic.....lb	1.15	1.20
Ground, 180 lb bbls.....lb	.07½	.08	Closed whole, bales.....lb	.38	.40	Lycopodium, 88 lb cs.....lb	.30	.31
Poenngreek Seed, 200 lb bags.....lb	.06	.06½	Powdered, pure 200 lb bbls.....lb	.48	.52	MACE, Siam, No. 1 cases.....lb	.63	.64
Fish Berries, 100-125 lb bags.....lb	.02½	.03	Flowers and stems, 50 p. c. 200 lb bbls.....lb	.32	.34	Banda, No. 1 cases.....lb	.85	.67
Fringe Tree Bark, bags.....lb	.20	.21	Ipecac Root, Caribagena, bags.....lb	2.00	2.10	Batavia, No. 2 cases.....lb	.60	.61
GALANGAL ROOT, bags.....lb	.07½	.08	Powdered, 220 lb bbls. boxes lb	2.25	2.35	West Indian, cases.....lb	.58	.60
Galbanum Gum, cans.....lb	.80	.85	Rio Whole, bags.....lb	2.00	2.10	Malva Flowers, blue bales.....lb	.38	.40
Gambier Gum, bags.....lb	.....	.....	Powdered, 200 lb bbls. bxs.....lb	2.25	2.35	Black, bales.....lb	.55	.60
Powdered, cases.....lb	.87	.90	Isinglass, American, 130 lb cs.....lb	.75	.80	Manna, large flake cases.....lb	.83	.85
Gelsmium Root, bags.....lb	.11	.11½	Russian (Beluga) bxs. ctins.....lb	4.00	4.50	Small flake, cases.....lb	.62	.63
Gentian Root, bags.....lb	.09	.09½	JABORANDI LEAVES, bales.....lb	.10	.10½	Sorts, cases.....lb	.....	.30
Ginger, African, bags.....lb	.17	.17½	Jalap Root, whole, 150 lb bags.....lb	.29	.31	Mandrake Root, bags.....lb	.14	.16
Jamaica, grinding, bags, bbls.....lb	.29	.33	Powdered, USP, 250 lb bbls.....lb	.34	.36	Mastic Gum, 120 lb cans.....lb	.55	.60
Japan, bags.....lb	.16½	.17	Japan Wax, white bags.....lb	.18	.20	Meservon Bark, bags.....lb	.11	.12
Cochin, ABC & Lemon, bags.....lb	.19	.20	Job's Tears, white bags.....lb	.14	.16	Matico Leaves, bales.....lb	.16	.18
Ginseng Root, cultivated, bags.....lb	8.00	10.00	Juniper Berries, 125 lb bags.....lb	.03	.03½	Marjoram Leaves, German bales.....lb	.11	.20
Northwestern Wild, bags.....lb	12.00	14.00	KAMALA, boxes.....lb	1.05	1.10	French, bales.....lb	.14	.15
Southern Wild, bags.....lb	9.00	11.00	Karaya Gum, powdered, bbls.....lb	.10	.18	Millet Seed, dom. yellow bags.....lb	.03	.04
Golden Seal Root, bags.....lb	3.60	3.70	Kava Kava Root, bags.....lb	.13½	.15	Montan Wax, crude bags.....lb	.05½	.06
Powdered, boxes.....lb	3.85	3.95	Kino Gum, black cases.....lb	.50	.55	Bleached.....lb	.....	.....
Grains of Paradise, bags.....lb	.10	.11	Kola Nuts, 150 lb bags.....lb	.04½	.05	Moss, Iceland bales.....lb	.08	.08½
			Kousso Flowers, bags.....lb	2.00	2.50	Irish, bleached, bales.....lb	.10	.11
						Selected, bales.....lb	.09	.09½
						Mullein Flowers, tins.....lb	.90	1.00

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## Crude Drugs

Musk, pods, Carbadine, tins.....	14.00	17.00	Patchouli Leaves, bales.....	.18	.18	Rosemary Flowers, cases bales....	.25	.25
Tonquin.....	22.00	25.00	Pennyroyal Herb, bales.....	.08	.12	Rose Petals, pale.....	.22	.25
Grain Cab.....	25.00	26.00	Pepper, black Ring, bags.....	.11	.12	Red.....	.65	.70
Tonquin.....	35.00	38.00	White, bags.....	.15%	.18	Rue Herb, bales.....	.18	.22
Synthetic, see Chemicals.....			Peppers, red Mombasa, bags.....	.08%	.09	SABADILLA SEED, bags.....	.13	.14
Musk Root, Russian bags.....		4.25	Cherries, bags.....	.12	.14	Powder, bbls.....	.16	.17
Mustard Seed, Bari brown bags.....	.11%	.12%	Bombay, bags.....	.10	.11	Saffron Flowers, Amer. bales....	.80	.82
Bombay, brown.....	.10%	.11	Japan, bags.....	.22	.24	Valencia, 1 lb cases.....	38.00	39.00
California, brown.....	.11	.11%	Peppermint Leaves, imp. bales....	.22	.24	Sage, Dalmatian bales.....	.04	.05
Yellow.....	.11%	.11%	Cuts, bales.....	.12	.14	Greek, bales.....	.04%	.05%
Chinese yellow.....	.04	.04%	Domestic leaf.....	.18	.19	Spanish, bales.....	.03	.03%
English, yellow.....	.09	.09%	Peru Balsam, see Balsams.....			Sandalwood, chips bags.....	.17	.18
Dutch, yellow.....	.07%	.08	Pichl Leaves, bags.....	.40	.45	Ground, bags.....	.21	.22
Danish, yellow.....	.08%	.09	Pimento, select bags.....	.05%	.06	Sandarac Gum, 300 lb bbls.....	.24	.25
Myrrh Gum, select 200 lb cases.....	.24	.26	Pink Root, true bags.....	.95	1.05	Sarsaparilla Root Honduras, bales	.60	.62
Sorts, cases.....	.20	.22	Pitch, Burgundy, see Burgundy Pitch			Mexican, bales.....	.19	.20
NUTGALLS, Chinese, bags.....	.17	.18	Pleurisy Root, bags.....	.22	.22	Sassafras Bark, ordinary bales....	.15	.17
Aleppy, bags.....	.14	.15	Plantain Leaves, bales.....	.15	.15	Select, bales.....	.28	.29
Nutmegs, 110s cases.....	.40	.41	Poke Berries, bags.....	.15	.15	Savory Leaves, bales.....	.06%	.07%
75s, 80s cases.....	.44	.46	Poke Root, bags.....	.08	.09	Saw Palmetto Berries, bags.....	.10	.11
Nux Vomica Buttons, bags.....	.04%	.05%	Pomegranate Bark, of root bags....	.30	.30	Scammony Resin, boxes.....	1.55	1.60
Powdered, 200 lb bbls.....	.08	.09	Of Tree.....	.30	.30	Scammony Root, bags.....	.06%	.07
OAK BARK, red bags.....	.05	.06	Poppy Flowers, red bags.....	.25	.28	Senega Root, bags.....	.55	.57
White, bags.....	.06	.07	Poppy Seed, Dutch, bags.....	.06%	.07	SENNA, Alex. 150 lb cases.....	.22	.24
Olibanum Gum, sift 280 lb cases....	.09	.09%	German, bags.....	.06	.07	Half Leaf, 350 lb bales.....	.14	.16
Tears, 280 lb cases.....	.11	.12	Turkish, bags.....	.06	.08	Siftings, 400 lb bales.....	.09%	.10
No. 1, all white 280 lb cases.....	.22	.23	Blue Indian, bags.....	.08	.08%	Powdered, 200 lb bbls.....	.12	.14
Opium, gum, USP, cases.....	9.00	10.50	White Indian, bags.....	.07	.07%	Tinnerelly, job, 350 lb bbls.....	.11	.14
Granular, cases.....	10.00	11.00	Prickly Ash Bark, Southern, bags..	.32	.34	Grinding, 350 lb bales.....	.05	.06
Powdered, USP, cases.....	10.00	11.00	Northern, bags.....	.14	.16	Powdered, 200 lb bbls.....	.08	.09
Orange Flowers, cases.....	.50	1.00	Prickly Ash Berries, bags.....	.14	.18	Pods, 350 lb bales.....	.17	.19
Orange Peel, bitter, bags.....	.07%	.07%	Prince's Pine, bales.....	.25	.30	Serpentaria Root, bags.....	.85	.87
Sweet, bags.....	.08%	.09%	Pulsatilla Herb, bags.....	.16	.18	Shellac, D.C., bags.....	.73	.74
ORRIS ROOT Florentine bold bags....	.07	.08	Pumpkin Seed, bags.....	.14	.16	V.S.O., bags.....	.73	.74
Powdered, 200 lb bbls.....	.09	.09%	QUASSIA CHIPS, bags.....	.07	.07%	Diamond I, bags.....	.72	.73
Vernus, bags.....	.05	.06	Queen of the Meadow Herb, bags..	.06	.06	Superfine, Orange, bags.....	.57	.58
Powdered, 200 lb bbls.....	.07%	.09	Quince Seed, bags.....	.75	1.00	Fine, bags.....	.57	.58
Fingers, cases.....	.55	.60	RAPE SEED, South Amer. bags....	.04	.04%	T.N., bags.....	.53	.54
Onokerite Wax, brown hard bags....	.22	.24	Dutch, bags.....	.05%	.06	Garnet, A. C.....	.52	.53
Green, hard bags.....	.27	.28	Japanese, small, bags.....	.05%	.06	Buttons, bags.....	.68	.69
Refined, yellow bags.....	.20	.27%	Raspberries, dried boxes.....	.56	.60	Bleached, ground, bbls.....	.55	.56
PAPRIKA, bags.....	.20	.27%	Red Saunders.....	.17	.19	Bone dry, bbls.....	.65	.66
Hungarian.....	.26	.28	Rhatany Root, bags.....	.10	.11	Simaruba Bark, bales.....	.07	.08
Parera Brava Root, bags.....	.12	.14	RHUBARB, Root, H. D., cases....	.29	.31	Sideritis Herb, cut bags.....	.15	.18
Parsley Seed, bags.....	.09	.10	Powdered, 200 lb bbls.....	.34	.36	Skullcap Leaves, Eastern, bales..	.70	.75
			Rosemary Leaves, bales.....	.04%	.05	Western, bales.....	.42	.44
						Sloe Berries, bags.....	.03	.04

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Literature on application

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## Crude Drugs

Snake Root, Canada natural bags..lb	.45	: .50
Stripped, bags .....	.50	: .65
<b>SOAP BARK, whole, 150-200 lb</b>		
bales .....	.08½	: .09
Cut, 125-175 lb bags .....	.09½	: .10
Crushed, 200 lb bbls. ....	.11	: .12
Powdered, 200 lb bbls. ....	.12	: .13
Spearpoint Leaves, American bales..lb	.15	: .22
Spermaceit, blocks cakes cases....lb	.38	: .42
Spirkenard Root, .....	.25	: .27
Spruce Gum, boxes .....	1.00	: 1.50
Squaw Vine, bales .....	.18	: .20
Squills, white .....	.04½	: .05
Powdered, bulk .....	.35	: .40
Stavesacre Seed, bags .....	.42	: .45
Sticklac, Siam, 350 lb bales .....	.39	: .40
Stillingia Root, bags .....	.11½	: .12
Stone Root, bags .....	.09	: .10
Storax, liquid artif. ....	.70	: .75
Gen. USP .....	.90	: 1.00
St. Ignatius Beans, bags .....	.12	: .13
St. John's Bread, bags .....	.03	: .05
Stramonium Leaves, bales .....	.06½	: .07½
Stramonium Seed, bags .....	.12	: .13
Strophanthus Seed, Hispidus .....	..	..
Kombe, bags .....	..	..
Sunflower Seed, domestic bags....lb	.05½	: .06
South American, bags .....	.05	: .05½
<b>TAGALDER BARK, bags .....</b>	.05	: .06
Tamarinds, bbls. ....	.05½	: .06
Kegs .....	..	8.50
Tansy Herb, bales .....	.18	: .19
Tar, Barbadoes, 50 gal. bbls....gal	1.40	: 1.50
Thus Gum, 280 lb bbls. ....	.07	: .08
Thyme, Spanish bales .....	.05½	: .06½
French, bales .....	.07½	: .08
Tilia, See Linden		
Tolu Balsam, see Balsams		
Tonga Bark, bags .....	.27	: .29
Tonka Beans, Angostura, cases....lb	2.15	: 2.25
Para, cases .....	.75	: .80
Surinam, cases .....	..	..

Tragacanth Gum, No. 1, ribbon		
160 lb cs. ....	1.20	: 1.25
No. 2 to No. 6, cases .....	.90	: 1.20
Powdered, 50 lb boxes .....	.55	: .90
Turkish, cases .....	.70	: .85
Turnerite Root, Madras bags .....	.12½	: .13
Aleppy, bags .....	.10½	: .10¾
Powdered .....	.12	: .13
China, bags .....	.08½	: .09
Turpentine, Venice, true 80 lb cs. ....	.15	: .16
Artificial, 80 lb cases .....	.13	: .15
Spirits, see Naval Stores		
<b>UNICORN ROOT, false, see Heloni</b>		
True, see Aletris		
Uva Ursi Leaves, bales .....	.04½	: .05
<b>VALERIAN ROOT, Belgian bags, lb</b>	.09	: .09½
Vanilla Beans Mex. whole cases..lb	11.50	: 12.00
Cuts, cases .....	10.00	: 11.00
Bourbon, cases .....	10.00	: 11.00
South American, cases .....	..	..
Tabiti, yellow label cases .....	7.00	: 7.50
Green Label, cases .....	..	..
Vetivert Root, 100 lb bags .....	.25	: .26
Violet Flowers, bags .....	.80	: .85
<b>WAHOO BARK, of root bags....lb</b>	1.00	: 1.10
Of Tree, bags .....	.40	: .42
White Pine Bark, rosead, bags....lb	.07½	: .08
White Poplar Bark, bags .....	.06	: .07
Wild Cherry Bark, thin green		
Thick Rosead, bales .....	.11	: .12
Thick Rosead, bales .....	.08	: .09
Thin Natural, bales .....	.08½	: .09½
Thick Natural, bales .....	.06	: .07
Willow, bark bags .....	..	.06
White, bags .....	..	.15
Witch Hazel Bark, bags .....	.07	: .08
Witch Hazel Leaves, bales .....	.07½	: .08
Worm Seed, American bags .....	.08½	: .09
Levant bags .....	5.00	: 5.25
Wormwood Herb, imported bales....lb	..	.10
Yacca Gum, red .....	.04	: .04½
Ground .....	.05½	: .06½
<b>YELLOW DOCK ROOT, bags....lb</b>	.12	: .14
Yellow Parilla Root, bags .....	.16	: .17
Yerba Santa, bags .....	.09½	: .10
Zedoary Root, bags .....	.11	: .12

## Essential Oils

Almond Bitter USP 5 lb bot. ....	3.25	: 3.50
Bitter ff PA 5 lb bots. ....	3.25	: 3.50
Sweet, 56 lb cans .....	.41	: .43
Peach Kernel, 55 lb tins. ....	.24	: .25
Apricot, see Peach Kernel		
Amber, crude 25 lb tins. ....	.70	: .75
Rectified, 25 lb tins. ....	.90	: .95
Angelica Root, 1 lb bot. ....	32.00	: 36.00
<b>ANISE, Tech., 66 lb case .....</b>	.45	: .50
USP, 50 lb tins .....	.50	: .52
Bay, 25 lb tins .....	2.30	: 2.95
Bergamot, 25 lb coppers .....	3.40	: 3.60
Artificial, 25 lb cans .....	2.20	: 2.35
Birch Tar, rect. 5 lb bot. ....	1.00	: 1.10
Crude, 50 lb tins. ....	.30	: .50
Bols de Kone, 25 lb tins. ....	4.25	: 4.50
Cajuput, native, 50 lb tins. ....	.77½	: .80
Calamus, 5 lb bot. ....	4.20	: 4.65
Camphor, heavy, 1000 lb drums .....	.14½	: .15
Japanese, white, 72 lb cases .....	.13	: .14
White, 1000 lb drums .....	.12½	: .14
Cananga, native 25 lb tins. ....	2.00	: 2.25
Rectified, 25 lb tins .....	2.75	: 3.00
Caraway, USP .....	5.00	: 5.50
Cardamom, USP, 1 lb bot. ....	29.00	: 30.00
Carvol, 5 lb bot. ....	14.00	: 15.00
<b>CASSIA, 80-85 p.c. 400 lb drms.</b>	1.80	: 1.90
Redistilled, USP, 50 lb cans....lb	2.15	: 2.25
Cedar Leaf, 50 lb tins. ....	.95	: 1.00
Cedar Wood, light 1000 lb drums .....	.45	: .47
Celery, 1 lb bot. ....	10.00	: 11.00
Chaulmoogra, 80 lb cases .....	.85	: .90
Cinnamon, Ceylon, 1 lb bot. ....	11.00	: 12.50
Leaf, 5 lb bot. ....	1.45	: 1.60
<b>CITRONELLA, Ceylon,</b>		
1000 lb drums .....	.78	: .85
50 lb tins .....	.81	: .88
Java, 400 lb drums .....	1.35	: 1.40
50 lb tins .....	1.40	: 1.45
Cloves, USP, 50 lb cans .....	2.10	: 2.20
6 lb bot. ....	2.20	: 2.30

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## Essential Oils

Copaiba, USP, 50 lb tins.....	D	.40	: .42
Coriander, USP, 1 lb bot.....	D	11.25	: 11.75
Croton, USP, 25 lb tins.....	D	1.00	: 1.10
Cubebs, USP, 5 lb bot.....	D	5.00	: 5.25
Cumina, 1 lb bot.....	D	12.00	: 12.50
Dill, 1 lb bot.....	D	4.25	: 4.50
Ergoster, 20 lb tins.....	D	1.50	: 1.40
<b>EUCALYPTUS, Austl. USP</b>			
56 lb cs.....	D	.52	: .54
500 lb drums.....	D	..	: .50
Fennel, USP, 25 lb tins.....	D	.90	: 1.10
Geranium, Algerian, 25 lb tins..	D	7.75	: 8.50
Bourbon, 25 lb tins.....	D	7.25	: 8.50
Turkish, 25 lb tins.....	D	4.25	: 4.50
Ginger, 1 lb bot.....	D	9.00	: 10.00
Gingergrass, 25 lb tins.....	D	2.75	: 3.00
Hemlock, 50 lb cans.....	D	.90	: 1.00
Juniper Berries, USP, 25 lb tins..	D	1.25	: 1.30
Wood, 50 lb tins.....	D	.50	: .60
Lavender, USP, 25 lb tins.....	D	4.50	: 6.00
Spike, Spanish, 50 lb cans.....	D	.85	: 1.25
LEMONGRASS, Ital. USP, 25 lb tins..	D	.75	: .85
American, USP, 25 lb tins.....	D	.70	: .75
Limonene, native, 50 lb cans.....	D	.75	: .85
Limes, express, 25 lb tins.....	D	2.00	: 2.10
Distilled, 25 lb tins.....	D	1.05	: 1.15
Linaloe, Mex, 50 lb cans.....	D	5.50	: 5.75
Nice, distilled, 50 lb tins.....	D	1.25	: 1.35
<b>MIRBANE, ref. see Ar. Chemicals</b>			
Mustard, USP, 1 lb bot.....	D	..	: 14.00
Artif., USP, 1 lb bot.....	D	3.00	: 3.15
Neroli, Bigarade, 1/4 & 1 lb bot..	D	40.00	: 60.00
Petale, 1 lb bot.....	D	90.00	: 120.00
Artificial, 1 lb bot.....	D	10.00	: 25.00
Nutmeg, USP, 25 lb tins.....	D	1.25	: 1.35
Orange, bitter, 25 lb tins.....	D	2.60	: 2.75
Sweet, W. Ind., 25 lb tins.....	D	2.45	: 2.55
Italian, 25 lb tins.....	D	2.70	: 3.00
American, 25 lb tins.....	D	3.00	: 3.10
Distilled, 25 lb tins.....	D	1.50	: 1.75
Spanish, 25 lb tins.....	D	2.45	: 2.60
Origanum, 50 lb cans tech.....	D	.30	: .35
Parsley, 1 lb bot.....	D	3.50	: 4.00
Patchouli, 5 lb bot.....	D	4.50	: 5.50
Pennyroyal, dom. 25 lb tins.....	D	2.00	: 2.25
Imported, 25 lb tins.....	D	1.80	: 1.95
PEPPERMINT, nat., 60 lb cases..	D	4.25	: 4.35
Redist., USP, 60 lb cases.....	D	4.50	: 4.60
Petit Grain, S. Am. 25 lb tins..	D	2.00	: 2.10
French, 1 lb bot.....	D	7.00	: 8.00
Italian, 25 lb tins.....	D	2.25	: 2.35

Pimento, 25 lb tins.....	D	3.00	: 3.10
Pinus Sylvestris, 25 lb tins.....	D	..	: 1.40
Pumilio, USP, 25 lb tins.....	D	..	: 2.25
Rose, Fr., 8, 16 & 32 oz pkgs..	os	..	: 9.00
Bulg., 8, 16 & 32 oz pkgs..	os	8.00	: 9.00
Artificial, 1 lb bot.....	D	2.00	: 3.00
Rosemary, USP, 27 1/2 lb. tins...	D	.42	: .48
1000 lb drums.....	D	.35	: .40
Tech., 27 1/2 lb. tins.....	D	.35	: .40
Rue, 1 lb bot.....	D	..	: 4.25
Sandalwood, E. Ind. USP, 76 lb cases	D	6.20	: 6.30
W. Indian, (Amyris) 25 lb tins..	D	2.75	: 2.90
Sassafras, USP, 50 lb cans.....	D	1.80	: 1.80
Artificial, 1000 lb drs., 60 lb cans	D	.34	: .36
Savin, 5 lb tins.....	D	2.50	: 2.75
Spearmint, USP, 60 lb cases.....	D	2.65	: 2.75
Spruce, 50 lb tins.....	D	.90	: 1.00
Tar, Amer., 20 lb tins.....	D	3.25	: 3.50
Tar, 50 gal. bbls.....	gal	.25	: .20
Refined, USP 25 lb tins.....	D	..	: ..
Thyme, red, USP, 25 lb tins.....	D	.85	: 1.00
White, USP, 25 lb tins.....	D	1.00	: 1.10
Tech., 110 lb drums.....	D	.30	: .35
Vetiver, Bourbon, 1 lb bot.....	D	11.00	: 14.00
Java, 1 lb bot.....	D	30.00	: 32.00
Wine, heavy 1 lb bot.....	D	..	: 1.50
<b>WINTERGREEN</b>			
Sweet beh., 25 lb tins.....	D	2.50	: 3.00
Southern, 25 lb tins.....	D	1.85	: 2.00
Gaultheria, true 25 lb tins.....	D	7.00	: 8.00
Southern, 25 lb tins.....	D	4.00	: 4.25
Synthetic, USP, 50 lb cans.....	D	..	: .47
Wormseed, Balt, USP, 25 lb tins..	D	4.00	: 4.25
Wormwood dom., 25 lb tins.....	D	3.25	: 3.50
Ylang Ylang, Bourbon 10 lb tins	D	..	: ..
No. 1.....	D	6.00	: 8.00
No. 2.....	D	5.00	: 6.00
Manila, 1 lb bot.....	D	28.00	: 40.00
Artificial, 1 lb bot.....	D	10.00	: 12.00
<b>OLEORESINS</b>			
Aspidium, USP, 1 lb bot.....	D	2.75	: 3.00
Capaicum, USP, 5 lb bot.....	D	2.00	: 2.25
Gilger, 5 lb bot.....	D	3.35	: 3.60
Cubeb, USP, 1 lb bot.....	D	4.50	: 4.75
Malefern. See Aspidium			
Orris 1 lb bot.....	D	15.00	: 18.00
Pepper, black, USP, 1 lb bot.....	D	3.50	: 4.00
Vanilla, 1 lb bot.....	D	22.50	: 25.00

## Aromatic Chemicals

### NATURAL DERIVATIVES

Anethol, 2 lb bot.....	D	1.25	: 1.75
Borneol, 1 lb bot.....	D	..	: 3.50
CITRAL, 25 lb cans.....	D	2.75	: 3.00
Citronellal, 1 lb bot.....	D	2.00	: 2.25
EUCALYPTOL, USP, 25 lb cans..	D	.75	: .80
Eugenol, USP, 25 lb cans.....	D	3.25	: 3.50
Geraniol, Domestic, 50 lb cans..	D	2.75	: 3.50
Imported, 5 lb bot.....	D	3.75	: 4.50
Iso-Eugenol, 1 lb bot.....	D	4.50	: 5.00
Imported.....	D	5.50	: 6.50
Linalol, 5 lb bot.....	D	6.25	: 7.50
From Bois de Rose, 5 lb bot..	D	11.00	: 12.75
MENTHOL, 60 lb cases.....	D	..	: 12.00
Less cases, 5 lb cans.....	D	..	: 12.25
Rhodinol, 1 lb bot.....	D	18.00	: 21.00
Extra, 1 lb bot.....	D	40.00	: 47.00
SAFROL, 60 lb cans.....	D	.45	: .47
Thymol, USP, 25 lb tins.....	D	4.00	: 4.35

### SYNTHETIC AROMATICS

Acetaldehyde, 50% sol. pure, 5 lb bot.	D	1.75	: 2.08
Acetophenone, CP, 1 lb bot.....	D	4.25	: 4.50
Aldehyde C-8 (Octyl) 1 lb bot..	D	45.00	: 60.00
Aldehyde, C-9 (Nonyl), 1 lb bot..	D	70.00	: 75.00
Aldehyde, C-10 (Decyl), 1 lb bot..	D	50.00	: 58.00
Aldehyde, C-12 (Dodecyl), 1 lb	D	..	: ..
bot.....	D	27.50	: 32.50
Aldehyde, C-14, 1 lb bot.....	D	22.50	: 25.00
Aldehyde, C-16, 1 lb bot.....	D	70.00	: 80.00
<b>AUBEPINE, see Anisic Aldehyde</b>			
Amyl Acetate, pure 5 gal. cans..	gal	4.00	: 4.25
Amyl Butyrate, 1 lb bot.....	D	1.75	: 2.08
Amyl Cinnamate, 1 lb bot.....	D	4.00	: 4.50
Amyl Formate, 1 lb bot.....	D	1.50	: 1.75
Amyl Phenyl Acetate, 1 lb bot..	D	4.50	: 5.09
<b>AMYL SALICYLATE, dom. 100 lb</b>			
chys.....	D	1.45	: 1.50
Imported.....	D	2.25	: 2.50
Amyl Valerate, 5 lb bot.....	D	4.75	: 5.00
Anisic Aldehyde, 1 lb bot.....	D	3.75	: 4.25
<b>BENZALDEHYDE, USP, 40 lb chys</b>			
1 lb bot.....	D	1.40	: 1.50
FFC, 40 lb chys.....	D	1.50	: 1.65
Benzole Ether, See Ethyl Benzozate			
Benzophenone, 1 lb bot.....	D	6.75	: 7.00
Benzyl Acetate, 100 lb chys.....	D	1.55	: 1.75

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## Aromatic Chemicals

Benzyl Alcohol, 5 lb bot.....	1.45	1.55	Iso-Butyl Benzoate, 5 lb bot.....	4.75	5.00	Skatol, 1 oz. bot.....	7.00	7.25
BENZYL BENZOATE, 5 lb bot.....	1.60	1.75	Iso-Safrol, 1 lb bot. imported.....	5.25	5.50	Terpinyl Acetate, 25 lb cans.....	1.65	1.85
Medicinal PFC.....	1.75	2.00	Domestic, 5 lb bot.....	4.00	4.25	Imported, 25 lb cans.....	1.90	2.20
Benzyl Butyrate, C.P., 1 lb bot.....	5.50	6.00	Linalyl Acetate, 1 lb bot. Dom. ..	8.00	9.50	TERPINEOL, CP, 1000 lb drums..	.48	.50
Benzyl Cinnamate, 1 lb bot.....	10.00	10.50	Imp., 1 lb bot.....	8.00	8.50	Cans, 50 lb.....	.53	.57
Benzyl Formate, 1 lb bot.....	3.00	3.25	Linalyl Benzoate, 1 lb bot.....	13.00	14.00	Absolute, 25 lb cans.....	.90	1.15
Benzyl Propionate, 1 lb bot.....	5.00	5.25	Linalyl Formate, 5 lb bot.....	10.50	12.00	Imported, 25 lb cans.....	1.10	1.20
Bornyl Acetate, 1 lb bot.....	3.00	3.50	Methyl Acetophenone.....	4.75	5.00	VANILLIN, USP, 500 oz. cans.....	.49	.51
Bromatylol, 25 lb kegs.....	3.00	4.00	METHYL ANTHRANILATE dom.,			Cans, 16 oz., 80 oz.....	.50	.51
Butyl Anthranilate, 1 lb bot. dom.	...	16.00	1 lb bot.....	2.75	3.25	Second Hands.....	.44	.46
Butyric Ether, See Ethyl Butyrate			Imported.....	4.50	5.00	Valerianic Ether, See Ethyl Valerate		
Cinnamic Acid, 5 lb cans.....	3.00	3.25	Methyl Benzoate, 5 lb bot. import.	2.00	2.25	Yara Yara, 1 lb cans.....	1.75	2.00
Cinnamic Alcohol, liquid 1 lb bot.	9.00	9.50	Domestic, 5 lb bot.....	1.75	2.00	PERFUMERS' SUNDRIES		
Crystallizable.....	9.50	10.00	Methyl Cinnamate, 1 lb bot.....	3.50	3.75	Almond Meal, 25 lb cans.....	.28	.30
Cinnamic Aldehyde.....	3.50	3.75	Methyl Heptenone, 1 lb bot.....	8.00	8.25	Ambergris, black, bxs.....	8.00	10.00
CITRONELLOL, 1 lb bot.....	9.00	11.00	Methyl Paracresol, 1 lb bot.....	8.00	8.00	Ambergris, gray, bxs.....	...	26.00
Imported, 1 lb bot.....	10.00	12.00	Methyl Phenylacetate, 5 lb bot. dom.	3.75	4.00	Balsam Copaiba, Para, 80 lb cases..	.32	.34
Citronellyl Acetate, 1 lb bot.....	13.00	14.00	METHYL SALICYLATE, USP 500 lb			South American, 80 lb cases.....	.35	.37
CSUMARIN, 25 lb cans.....	3.25	3.45	50 lb drums.....	...	.45	Ba'sam Peru, 120 lb cases.....	1.80	1.90
DIETHYL PHTHALATE, 25 lb cans..	.50	.55	Second Hands.....	.44	.45	Balsam Tolu, 80 lb cases.....	2.00	2.15
1000 lb drs.....	.40	.45	Mirbane, rect., 1000 lb drums....	12 1/4	14	Bermain Gum, Siam, bxs.....	1.30	1.35
Diphenylacetic, 25 lb tins.....	.85	.90	Musk Ambrette, 1 lb cans.....	14.50	16.00	Castoreum, 1 lb bot.....	4.00	4.50
Ethyl Acetate, pure, 5 lb bot.....	1.85	2.00	Musk Ketone, 1 lb cans.....	17.75	19.00	Chalk, precip. light, 175 lb bbls..	.04 1/2	.05
Ethyl Acetate, 5 lb bot.....	1.75	2.00	Musk Xylene, 5 lb cans.....	4.50	5.00	Cherry Laurel Water, 5 gal cans..	1.15	1.25
Ethyl Butyrate, 5 lb bot.....	3.25	3.50	Nerolin, 1 lb cans.....	1.65	2.00	Civet Abyssin, horns.....	2.75	3.75
Ethyl Caproate, 1 lb bot.....	3.50	3.75	Oenanthalic Ether, 1 lb bot.....	1.50	2.00	Labdanum, 5 lb bot.....	...	8.00
Ethyl Cinnamate, 1 lb bot.....	2.00	2.10	Phenylacetaldehyde, Dom.,			Lanolin hydrous, 350 lb bbls....	.15	.21
Ethyl Formate, 5 lb bot.....	3.25	3.50	1 lb. bot. 50 p.c.....	8.00	8.50	Anhydrous, 350 lb bbls.....	.18	.23
Ethyl Phenylacetate, 5 lb bot.....	3.75	4.00	Imported, 50 p.c.....	8.00	9.00	Musk pods, Cabardine, tins.....	16.00	17.00
Ethyl Propionate, 1 lb bot.....	2.25	2.50	80-85 p.c.....	15.00	18.00	Tonquin, tins.....	22.00	25.00
Ethyl Valerate, 5 lb bot.....	4.50	4.75	Phenylacetic Acid, 1 lb bot.....	3.00	3.25	Grains, Cabardine, tins.....	25.00	26.00
Ethyl Salicylate, 5 lb bot.....	3.25	3.50	Phenyl Diacetate, 1 oz. bot.....	3.25	3.50	Tonquin, tins.....	55.00	58.00
Formic Ether, See Ethyl Formate			PHENYLETHYLALCOHOL dom.,			Synthetic, See Aromatic Chemicals		
Geranyl Acetate, 1 lb bot.....	5.00	5.50	1 lb bot.....	8.00	10.00	Orris Rt. Flor., powd. bbls.....	.08 1/2	.09
Geranyl Butyrate, 1 lb bot.....	13.00	13.50	Imported.....	7.50	8.50	Verona, bbls.....	.05	.04
Geranyl Formate, 1 lb bot.....	12.00	12.50	Phenylethyl Butyrate, 1 lb bot.....	26.00	28.00	Petrolatum, snow white 350 lb bbls.	.12 1/2	.13
Hellotropin, dom., 100-10 lbs.....	1.85	2.00	Phenylethyl Formate, 1 lb bot.....	19.00	21.00	Light Amber, 350 lb bbls.....	.04 1/2	.05
Imported.....	2.50	2.75	Phenylethyl Propionate, 1 lb bot.	20.00	24.00	Rice Starch, 140 lb bgs.....	.09	.10
Hydroxycitronellal, 1 lb bot.....	12.00	14.00	Phenylethyl Valerate, 1 lb bot.....	25.00	29.00	Rose Water, 6 2-3 gal chys.....	1.00	1.25
Indol, CP, 1 oz. bot.....	6.00	6.50	Phenylpropylalcohol, 1 lb bot.....	15.00	16.00	Sandalwood chips, powd., bags....	.30	.35
Ionone, 1 lb bot. 100%.....	10.00	11.00				Saponin, 5 lb tins.....	1.25	1.50
Alpha.....	14.50	16.00				Tale Italian, 220 lb bgs.....	40.00	50.00
Beta.....	12.75	14.50				Tale French, 220 lb bgs.....	30.00	45.00
Methyl.....	16.00	18.00				Tale, domestic ref., 100 lb bags. ton	16.00	18.00

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**AGAR AGAR**—10 bbls., R. Ellis, Kobe; 25 bgs., Shima Trdg. Co., Kobe.

**ALBUMEN**—22 cs., Frazar & Co., Taku Bar; 28 cs., O. Gross, Taku Bar; 34 cs., Innis Speiden Co., Tientsin; 97 cs., Order, Shanghai; **Hen**, 58 cs., French Kremer Co., Shanghai; 64 cs., Stein Hall & Co., Shanghai; 56 cs., S. W. Bridges & Co., Taku Bar; 34 cs., Fearon Brown Co., Taku Bar.

**ALCOHOL**—Benzol, 3 drs., Tatanine, Inc., London.

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**AMORPHOUS PHOSPHORUS**—200 cs., W. E. Miller, Antwerp.

**ARGOLS**—212 bgs., C. Pfizer & Co., Rotterdam; 44 cks., Royal Baking Powder Co., Leghorn.

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**BARITUM**—Chloride, 42 bbls., Brown & Roese, Hamburg; 87 bbls., Order, Hamburg; **Peroxide**, 128 bbls., W. A. Broun, Hamburg.

**BARKS**—6 bbls., Order, Trieste; 5 bbls., Cohen & Co., Nassau; **Cinchona**, 10 cs., Order, Rotterdam; **Wattle**, 1088 bgs., Order, Port Natal.

**BLEACHING POWDER**—165 cs., L. C. Dever, Liverpool.

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**ESSENTIAL OILS**—2 cs., Order, Rotterdam; 3 cs., Lehn & Fink, Hamburg; 2 cs., Orbis Products Trdg. Co., Havre; 248 bbls., La Manna Azema & Farman, Havre; **Campor**, 50 drs., B. T. Bush, Kobe; 15 drs., Tries Bros., Kobe; 2 drs., Order, Taku Bar; 67 drs., D. L. Moss & Co., Shanghai; **Citronella**, 5 drs., F. A. Follen, Colombo; 2 drs., Bk. of Manhattan Co., London; **Geranium**, 4 bbls., Ungerer & Co., Algiers; 1 bbl., G. Lueders & Co., Algiers; **Jasmin**, 1 cse., Morana, Inc., Southampton; **Rosemary**, 2 drs., G. Lueders & Co., Alicante; **Sandalwood**, 10 cs., Order, London.

**POTASSIUM SALTS**—Bicarbonate, 10 cks., Meteor Products Co., Rotterdam; **Caustic**, 2 cs., Baldwin Universal Co., Gothenburg; 1 cse., Order, Gothenburg; 143 drs., Amermann & Patterson, Hamburg; **Chlorate**, 100 kgs., E. Suter & Co., Hamburg; **Muriate**, 4000 bgs., Ste Comm Des Potasses d'Alsace, Antwerp; **Perchlorate**, 84 bbls., C. Hardy Inc., Havre; **Prussiate**, 15 bbls., E. Suter & Co., Hamburg; 18 kgs., Order, Liverpool; **Sulfate**, 200 bgs., Potash Imp. Corp., Bremerhaven.

**PHOSGENE**—29 bottles, Norvell Chem. Corp., Hamburg; **Pyridine**, 9 drs., Order, Antwerp.

**ROOTS**—14 bbls., Order, Trieste; **Arrow**, 5 bbls., Furness Bermuda Line, Hamilton; **Broom**, 100 bbls., F. S. Smith & Son, Vera Cruz; **Gentian**, 64 bbls., Order, Marseilles; **Ipecac**, 3 bgs., De Lima Correa & Cortissoz, Cartagena; 8 bbls., Gaston & Co., Montevideo; **Licorice**, 90 bbls., 73 bgs., Order, Smyrna; **Valerian**, 21 bbls., Banque Belge Pour l'Etranger, Antwerp.

**SODIUM SALTS**—Bromide, 100 cs., Norvell Chem. Corp., Hamburg; **Caustic**, 4 cs., Baldwin Universal Co., Gothenburg; 1 cse., Order,

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**VERONAL**—2 cs., Order, Hamburg  
**WAX**—Bees, 5 seroons, J. J. Julia & Co., Monte Cristi; 6 seroons, W. Schall & Co., Monte Cristi; 4 seroons, J. A. Thomen, Monte Cristi; 11 bbls., D. Steengrafe, Rio de Janeiro; 51 bgs., Amer. Trdg. Co., Rio de Janeiro; 37 bgs., Order, Havana; Carnauba, 508 bgs., Order, Havana; Carnauba, 508 bgs., Order, Pernambuco; Paraffin, 200 bgs., Equit. Trust Co., Hamburg; Spermacette, 100 cs., Order, Glasgow; Vegetable, 50 cs., Order, Kobe  
**WHITING**—1000 bgs., Hammill & Gillespie, Havre  
**WOOL GREASE**—50 cs., Pfaltz & Bauer, Bremerhaven  
**ZINC**—Oxide, 1 bbl., Order, Hamburg; White, 1 bbl., W. C. Berling, Gothenburg

**IMPORTS AT PHILADELPHIA**

July 30—Aug. 6

**ACID**—Formic, 64 cbys., Kale Mfg. Co., Hamburg  
**AMMONIUM**—Bromide, 20 pkgs., Order, Hamburg; Chloride, 49 csks., Harshaw, Fuller & Goodwin, Liverpool  
**CALCIUM**—Chloride, 423 drums, Order, Hamburg  
**EPSOM SALT**—100 bags, Order, Hamburg  
**MAGNESIUM**—Bromide, 115 cases, Equit. Trust Co., Hamburg; Chloride, 545 drums, Brown Bros. & Co., Hamburg  
**POTASSIUM**—Bromide, 1051 pkgs., Order, Hamburg; Chlorate, 2000 csks., Columbia Trust Co., Hamburg  
**SODIUM**—Prussiate, 71 csks., Order, Rotterdam, 33 csks., C. Tennant Sons, Liverpool  
**STARCH**—Potato, 250 bgs., Stein, Hall & Co., Rotterdam  
**SULPHOR**—Chloride, 5 drums, Order, Hamburg

**IMPORTS AT NEW ORLEANS**

August 1 to 8

**COPRA**—3155 tons, Procter & Gamble, Kobe  
**GUM**—Damar, 8 cases, Order, Kobe  
**SODIUM**—Nitrate, 125,358 lbs., Order, Chile

**IMPORTS AT BOSTON**

August 2 to 9

**IRON OXIDE**—79 csks., Order, Liverpool  
**OIL**—Cod, 104 csks., Order, Halifax; Sod, 105 csks., Order, Liverpool  
**TRAGASOL**—52 csks., Order, Liverpool

**IMPORTS AT SAN FRANCISCO**

July 26 to August 2

**ALBUMEN**—21 cases, Order, Taku  
**ARGOLS**—366 bags, Order, Buenos Aires  
**ARSENIC**—200 cases, International Banking Corp., Kobe; 130 cases, Pacific Orient Co., Kobe; 200 cases, Pacific Orient Co., Osaka  
**EXTRACTS**—241 bags, Wells Fargo Nevada National Bank, Buenos Aires; 1441 bags, The Tannin Corp., Buenos Aires  
**FERTILIZER**—Animal Tankage, 5080 bags, Order, Buenos Aires; 1008 bags, Armour & Co., Buenos Aires; 1985 bags, Bank of California, Buenos Aires  
**FLAXSEED**—8602 bags, Louis Dreyfus & Co., Buenos Aires  
**OILS**—Linseed, 10,199 bags, Order, Buenos Aires; Peanut, 300 cases, Fi Hong Loong Co., Hongkong  
**SODIUM SALTS**—Cyanide, 50 cases, Order, Liverpool

**IMPORTS AT BALTIMORE**

July 31 to August 7

**FULLERS EARTH**—200 bags, L. A. Salomon Bros., New York, Novian, London  
**PHARMACEUTICAL PRODUCTS**—20 cases, Sharp & Dohme, Liberty, Havre  
**SAGO FLOUR**—381 bgs., William H. Masson, Challenger, Singapore; 371 bags, William H. Masson, Challenger, Singapore

The Foreign Trade Bureau, Philadelphia Commercial Museum, Philadelphia, has received an inquiry (No. 42524) from a company at Cairo, Egypt, interested in chemical products, oils and shoe polish; also an inquiry from a concern at Nigeria, West Africa, for drugs and wood preservatives.

Importation of toilet soap, containing less than four-tenths of one per cent of essential oil or perfume, is dutiable as not-perfumed soap under paragraph 66, tariff act of 1913, according to an opinion by G. A. McClelland, of the General Appraisers Board.

## BAY OIL

55 to 60% EUGENOL

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Proof 100—Denatured  
[with quinine]

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 Chemists Building

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Manufacturers of fine and heavy chemicals, dyestuffs, pharmaceuticals, etc., who are users of chemical apparatus, machinery, and equipment are regular subscribers to **DRUG & CHEMICAL MARKETS**. The big executives, purchasing agents, plant superintendents—the real buyers of these supplies—read this paper because it keeps them posted on news and the markets. Its pulling power as an advertising medium for chemical apparatus is proved.

Write us for the proofs and our advertising rates.



## Mailing Lists

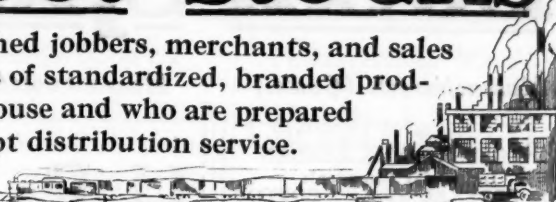
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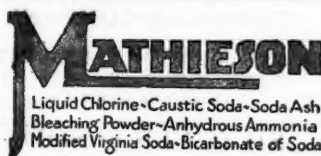
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Cleanser, Bicarbonate of Soda,  
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Modified Virginia Soda-Bicarbonate of Soda

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Sodium Nitrate	Alum (Aluminium Sulphate)
Potassium Chloride	Turpentine
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CRYSTALLIZED

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Alkalinity:—only 20 in a million

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Modified Virginia Soda-Bicarbonate of Soda

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Payment—Must accompany order, add 10c if replies are to be forwarded.

Address "Wants & Offers"  
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## BUSINESS OPPORTUNITIES

**UNIQUE OPENING:** English Chemical House, established 20 years with six branches seeks sales AGENCIES, Gilsonite, Acetic Acid, Rosin, Turpentine, Bichromate Soda, Zinc Dust. Principals only. Box 158, DRUG AND CHEMICAL MARKETS.

**TO RENT:** Room for two desks—phone and stenographic service provided if desired. Box 154, DRUG AND CHEMICAL MARKETS.

**DUMPS:** Chemist who specializes in working up waste mineral materials would like to hear from manufacturer with such a problem to solve. Box 151, DRUG AND CHEMICAL MARKETS.

**GORDON Dryer:** Pfandler Enamelled Kettles 150 to 500 gals.; Stokes D-1 Rotary Tablet machines; Granulators; Copper Kettles; Filling machines; 3 roll Laboratory mill etc. F. HOWARD MASON, 15 Park Row, New York City.

**SALESMAN** and Executive, capable, aggressive, experienced, calling on Manufacturing and Wholesale Drug, Chemical, Gum, Wax, Essential Oil, Paint and Varnish Materials trade, is open for proposition; acquainted Metropolitan District, Eastern, Southern, Mid-Western territories. Box 152, DRUG AND CHEMICAL MARKETS.

**A RARE OPPORTUNITY:**—On account of disabilities owner will dispose of half interest in going plant near New York City. Manufacturing specialties for the Dyeing and Finishing Trade to a party of clean character, who will take an active interest in the business. Rare opportunity for a young man of good moral character to secure a going business possessing an unparalleled brilliant future. Knowledge of operation easily acquired. For particulars address H. M. G. Box 127, DRUG & CHEMICAL MARKETS.

**SALESMAN** calling on consuming trades using chemicals in Western Pennsylvania, West Virginia, Ohio desires to add lines on commission basis. Box 122, DRUG & CHEMICAL MARKETS.

**ESSENTIAL OILS:**—Southern dealer of pure Wintergreen, Birch and Sassafras wants reliable sales agent to handle products for export and to the consuming trade. Must have full assurances as to reliability and ability to handle these products intelligently and profitably. Write with bank and trade references to Box 126, DRUG & CHEMICAL MARKETS.

## SITUATIONS WANTED

**EXECUTIVE CHEMIST:**—Extensive invention record, with broad legal experience in patents and contracts, able negotiator, experienced in colloids, drugs, pharmaceuticals, organics, biologicals, cellulose industries, paints, vegetable oils, textile and sanitary chemistry, very high references for chemical skill, practical thoughts and business capacity, desires executive position, consultation or research and development work. H. M. Spencer, P. O. Box 11, Dansville, N. Y.

**SALESMAN** of genuine ability, pleasing personality, and seven years experience in industrial chemical trade wants position with established manufacturer or responsible importer. Box 147, DRUG AND CHEMICAL MARKETS.

**SELLER:**—I can sell chemicals and am willing to prove it by going to work on straight commission for standard goods and firm of good name. Box 148, DRUG AND CHEMICAL MARKETS.

**CHEMIST (34)**—soaps, oils, paints, rubber, testimonials as to character, personality and professional ability. Box 146, DRUG AND CHEMICAL MARKETS.

**LONDON:**—Experienced sales representative desires to add two or three not competitive pharmaceutical specialties to restricted line now being sold on commission basis. References exchanged. Have 12 years experience and enjoy favorable reputation through trade. Box 150, DRUG AND CHEMICAL MARKETS.

**CHEMICAL ENGINEER** with training in mining, engineering and experience in assay and metallurgical work seeks position with responsible firm or consulting office. Box 149, DRUG AND CHEMICAL MARKETS.

**CHEMIST**, with several years experience in manufacture of dyes and raw materials for the confectionery trade desires position in factory or laboratory. Can furnish references. Box 150, DRUG & CHEMICAL MARKETS.

**CHEMIST:**—Seven years coke and gas experience, doctors degree, familiar with laboratory and plant work, responsible and industrious. Box 151, DRUG & CHEMICAL MARKETS.

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**SALESMAN:**—Ten years experience in fine chemical trade. Knows wholesale druggists and pharmaceutical buyers east of Mississippi and north of Washington. Will travel. Box 138, DRUG & CHEMICAL MARKETS.

**CHEMIST:**—American; degrees, Cornell and Berlin; experience, coke, gas, petroleum; research work preferred. References. Box 139, DRUG & CHEMICAL MARKETS.

**PLANT EXECUTIVE**—Chemical Engineer seeks an engagement where training and experience, backed by executive capacity and ability to handle labor and assume responsibility, will be awarded fair recognition. Box 140, DRUG & CHEMICAL MARKETS.

**CHEMICAL ENGINEER:**—Mass. Tech. graduate nine years experience in anywhere; good references. Box 121, DRUG & CHEMICAL MARKETS.

**CHEMIST**, with three years industrial experience, now employed, desires technical or business position where there is an opportunity for advancement. References. Box 117, DRUG & CHEMICAL MARKETS.

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**SALESMEN** visiting soap and toilet goods manufacturers, barbers' supply dealers and beauty parlors can add materially to their earnings by selling our French type perfume bases and other perfume materials, including essential oils, aromatic chemicals, and compounded flower oils. Goods are of the highest type. Liberal commission paid and heartiest co-operation both with salesmen and customers assured. Box 135, DRUG & CHEMICAL MARKETS.

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Synthetic Organic Chemicals  
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A MAN who controls the job you want is most apt to be a regular reader of this column. For real positions in the chemical, drug, dye, oil and allied fields no medium-brings better results than these Wants and Offers—5c a word.

**CHEMICAL DEALER** specializing in heavy chemicals to New England mills wants to get in touch with a high grade, aggressive, capable salesman with the object of a connection, that would lead to the opening of a branch office of which he would have charge, on a salary and commission on territory basis. Only a high grade man will be considered who can convince us of his ability, standing and reliability and one at present employed since these plans will not materialize until the Fall. It is a real opportunity for the right man. Write us very fully in complete confidence. Box 112, DRUG & CHEMICAL MARKETS.

**SALESMAN WANTED** to handle Naphthalene to the drug trade. Full particulars as to past experience, education and references. Box 115, DRUG & CHEMICAL MARKETS.

**DYE CHEMIST**—A large manufacturer wants technical, practical colorist capable of handling correspondence with dyers on problems and sales promotion. Full information in confidence. Box 118, DRUG & CHEMICAL MARKETS.

**SALESMAN**—Pharmaceutical manufacturer has place for assistant district manager in Middle West territory. Must be experienced, reliable man of strong personality able to handle office work and salesmen on road. Box 120, DRUG & CHEMICAL MARKETS.

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**IF YOU KNOW** an outlet for Potassium Metabisulfite in lots of 5 or 10 tons we like to hear from you. Box 132, DRUG & CHEMICAL MARKETS.

**FOR SALE**—50 ton Fused Rosin at an attractive price. Box 141, DRUG & CHEMICAL MARKETS.

PLANT EQUIPMENT

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**WANTED**—Vacuum shelf dryer, 4 to 6 shelves. Full particulars as to make, condition and price first letter. Box 134, DRUG & CHEMICAL MARKETS.

PLANT EQUIPMENT

**WANTED**—Hand Operated Ointment Mill, one gallon or larger. State condition and price. Box 267, Coudersport, Pa.

**WANTED**—Bottle Labeling, Bottle Washing and Ointment Filling Machinery. Mail details. Box 135, DRUG & CHEMICAL MARKETS.

**FOR SALE**—Odd lots of hospital, surgical and physician supplies. Some army goods. Write me your requirements and I will quote you best figure and terms. Box 114, DRUG & CHEMICAL MARKETS.

**FOR SALE**—Extractors 30", 40", 48", Sweetland Filters No. 2 to No. 12, Vacuum Shelf Dryers, Stills, Pans, Alcohol columns, Raymond mills, etc. Consolidated Products Co., Inc., 15 Park Row, New York City.

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MISCELLANEOUS

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## What is said of our Services!

Messrs. Gebr. Waaning Tilly, from Haarlem (Holland) write to us on the 23rd of October, 1922:—

"We received through our Agents, the Registered Deed of the declaration of ownership of our Trade Mark and Proprietary Name, and are pleased to inform you that the same has been found correct and the work done by you to our entire satisfaction.

"If any of our friends should be desirous of having his trademark also registered in India, we shall certainly recommend him your firm."

The Huntley Manufacturing Co., from Silver Creek, N. Y., U. S. A., write to us on the 5th of January, 1923:—

"We wish to thank you for the manner in which you have handled this and if there is any further business of this nature at any time that you can attend to, we will be glad to place it in your hands."

Messrs. Max Dörner G. m. b. H., from Solingen (Germany) write to us on the 25th of January, 1923:—

"Please note that we are satisfied by your work, and that further registrations will also be trusted to you."

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Patent and Trade Mark Agents

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Norwegian

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## AMERICAN-BRITISH

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Dependability*

PHOSPHORUS OXYCHLORIDE  
CARBON TETRACHLORIDE  
SODIUM PHOSPHATE  
ACETIC ANHYDRIDE  
ALUMINUM HYDRATE  
SULPHUR CHLORIDE  
PHOSPHORIC ACID  
CAUSTIC SODA

To make the assurance of purity and uniformity doubly sure, we redistill Warner's Carbon Tetrachloride. The result is a water white product we guarantee to be free from acid and sulphur. Buyers can depend upon always receiving the highest grade (99.7% pure) when they order our brand.

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52 Vanderbilt Avenue New York, N. Y.

Plants: Carteret, N. J.

Exclusive Sales Agents for Westvaco Chlorine Products, Inc.,  
So. Charleston, W. Va.

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